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OF THE

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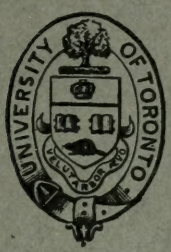

FACULTY OF MEDICINE

1920-1921

UNIVERSITY OF TORONTO PRESS

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THE

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OF THE

University of Toronto

FACULTY OF MEDICINE

1920-1921.

UNIVERSITY OF TORONTO PRESS

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JANUARY

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Sat.	.	3	10	17	24	31

CALENDAR 1920-1921.

1920—Sept. 1 Wednesday....Last day for receiving applications for the September Examinations in Medicine.
Sept. 14 Tuesday.....Supplemental Examinations in Medicine begin.
Sept. 17 Friday.....Meeting of the Council of the Faculty of Medicine.
Sept. 28 Tuesday.....Academic Year begins at 9 a.m.
Registration in Medicine by the Secretary of the Faculty of Medicine.
Sept. 28 Tuesday.....Enrolment in classes by the various Professors.
Sept. 28 Tuesday.....The Opening Address by the President to the Students of all the Faculties at 3 p.m. in Convocation Hall.
Oct. 1 Friday.....Meeting of the Council of the Faculty of Medicine.
Oct. 8 Friday.....Meeting of Senate.
Oct. 9 Saturday.....Stated meeting of the Caput to deal with requests as to social functions until Nov. 15.
Nov. 12 Friday.....Meeting of Senate.
Dec. 3 Friday.....Meeting of the Council of the Faculty of Medicine.
Dec. 10 Friday.....Meeting of Senate.
Dec. 17 Friday.....Last day of Lectures. Term ends at 12 noon.
Dec. 25 Saturday.....University Buildings closed.

1921—Jan. 1 Saturday.....University Buildings closed.
Jan. 4 Tuesday.....Easter Term begins.
Jan. 7 Friday.....Assemblage of the Students of all the Faculties in Convocation Hall at 12.10 p.m.
Jan. 14 Friday.....Meeting of Senate.
Feb. 4 Friday.....Meeting of the Council of the Faculty of Medicine.
Feb. 9 Wednesday....Ash Wednesday.
Feb. 11 Friday.....Meeting of Senate.
Mar. 11 Friday.....Meeting of Senate.

1921—Mar. 15 Tuesday.....Last day for receiving applications for Annual examinations in Medicine,
Mar. 25 Friday.....University Buildings closed.
April 1 Friday.....Meeting of Senate.
April 8 Friday.....Meeting of the Council of the Faculty of Medicine.
May 9 Monday.....Annual Examinations in Medicine begin.
May 13 Friday.....Meeting of Senate.
May 24 Tuesday.....University Buildings closed.
May 31 Tuesday.....Medical Session ends.
June 8 Wednesday...Meeting of Senate.
June 10 Friday.....University Commencement.
July 1 Friday.....University Buildings closed.

ADMINISTRATIVE OFFICERS.

THE UNIVERSITY.

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Registrar.....JAMES BREBNER, B.A.
Bursar.....FERDINAND ALBERT MOURÉ, ESQ.
Librarian.....HUGH HORNBY LANGTON, M.A.

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PROF. W. A. PARKS, PH.D.
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Director of Mineralogy.
PROF. B. A. BENSLEY, B.A., PH.D.
Director of Zoology.

Warden of Hart House.....WALTER FLETCHER BOWLES, B.A.
Physical Director.....JAMES WARREN BARTON, M.D.
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COLIN GRAHAM CAMPBELL, B.A., M.B., C.M.
ARTHUR D'ORR LE PAN, B.A.Sc.
Manager of the University of Toronto Press...RICHARD J. HAMILTON, B.A.

NOTE—Communications relating to standing in all Faculties and Departments and to curricula, instruction and examinations in Law, Dentistry, Pharmacy, Agriculture, Pedagogy, Gymnastics and Drill, Commerce and Veterinary Science are to be addressed to the Registrar of the University; correspondence regarding curricula, instruction and examinations in a particular Faculty is to be sent to the Secretary of that Faculty, while enquiries with reference to College instruction and residence are to be addressed to the Registrar of the College concerned.

UNIVERSITY OF TORONTO—FACULTY OF MEDICINE.

1920-1921.

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Secretary of the Faculty. . . . . EDWARD STANLEY RYERSON, M.D.C.M.

Professors Emeriti.

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ADAM HENRY WRIGHT, B.A., M.D.
GEORGE STERLING RYERSON, M.D.C.M.
ALEXANDER MCPHEDRAN, M.B., LL.D.
ALLEN MACKENZIE BAINES, M.D.C.M.
HENRY THOMAS MACHELL, M.D.

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Professors, Associate Professors, Lecturers and Associates.

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Lecturer in Histology, 241 Blythwood Road.

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Professor of Philosophy,
Professor of Ethics and Ancient Philosophy, 127 Albany Avenue.

ALAN BROWN, M.B.,
Associate Professor of Medicine, in charge of Paediatrics, Physician in Chief, Hospital for Sick Children, 423 Avenue Road.

*Lecturers and instructors as indicated by the asterisk shall act as Assessors only and shall not be entitled to vote.

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Surgeon, Chief of Service, Toronto General Hospital,
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Ophthalmologist, Chief of Service, St. Michael's Hospital,
Consultant in Ophthalmology, Toronto General Hospital,
128 Bloor Street, West.

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Associate Professor of Physics, Weston

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Consulting Surgeon, Hospital for Sick Children,
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Consulting Physician, Toronto General Hospital,
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Psychiatrist, Toronto General Hospital,
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Hart House.

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Director of Antitoxin Laboratories, 186 Balmoral Avenue.

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Physician in Chief, In-patient and Out-patient Departments, Toronto General Hospital, 1 Queen's Park.

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Assistant Physician, Toronto General Hospital,
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Assistant Gynaecologist, Toronto General Hospital,
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Chief of Service in Ophthalmology, Toronto General Hospital,
Consulting Ophthalmologist, Hospital for Sick Children,
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Chief of Service in Gynaecology and Obstetrics, Western Hospital,
12 Bedford Road.

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Pathologist, Toronto General Hospital,
56 Wychwood Park.

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Professor of Physiology, 45 Nanton Avenue .

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Senior Assistant Obstetrician, Toronto General Hospital,
30 Prince Arthur Avenue.

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Lecturer in French, 139 Rushton Road.

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Associate Professor of Clinical Surgery,
Surgeon, Chief of Service, St. Michael's Hospital,
140 Wellesley Crescent.

JOHN CUNNINGHAM MCLENNAN, O.B.E., Ph.D., D.Sc., LL.D., F.R.S.,
Professor of Physics and Director of the Physical Laboratory,
88 Prince Arthur Avenue.

JAMES PLAYFAIR MCMURRICH, M.A., Ph.D., LL.D.,
Professor of Anatomy and Director of the Anatomical Department,
75 Forest Hill Road.

*HENRY ALLEN MCTAGGART, B.A. (Cantab.), M.A., (Tor.),
Demonstrator in Physics, 1120 Dundas Street, West.

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Professor of German, 103 Bedford Road.

WILLIAM HUNTER PIERSOL, B.A., M.B.,
Associate Professor of Histology and Embryology,
26 Albany Avenue.

NEWTON ALBERT POWELL, M.D.C.M., M.D., Bellevue, N.Y.,
Professor of Medical Jurisprudence and Associate Professor of Clinical Surgery,
Assistant Surgeon in Charge of Emergency Department, Toronto General Hospital, 167 College Street

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Professor of Clinical Surgery,
Surgeon, Chief of Service, Toronto General Hospital,
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100 College Street.

ALFRED CLARENCE REDFIELD, Ph.D. (Harvard),
Assistant Professor of Physiology,
194 Bloor Street, West.

*THOMAS BEDFORD RICHARDSON, M.D.C.M., F.R.C.S., Edin.,
Associate in Clinical Surgery,
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EMERSON JAMES TROW, M.B.,
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RICHARD WILLIAM IAN URQUHART,
Tutorial Fellow in Biochemistry, South Residence.

HERMON BROOKFIELD VAN WYCK, B.A., M.B.,
Demonstrator in Anatomy, 154 Danforth Avenue.

WILLIAM VIRGIL WATSON, M.B.,
Demonstrator in Therapeutics, Toronto General Hospital,
120 Quebec Avenue.

FREDERICK EARLE WATTS, M.B.,
Temporary Assistant in Clinical Surgery, Toronto General Hospital,
155 Bloor Street, East.

ROBERT WATSON WESLEY, M.B.,
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MISS MARGUERITE LOLA WESSELS, B.A.,
Assistant in Pathology, Westview Apts., Christie Street.

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Demonstrator in Clinical Surgery, Toronto General Hospital,
329 Church Street.

WALTER WALKER WRIGHT, M.B.,
Demonstrator in Ophthalmology,
Ophthalmologist, Hospital for Sick Children,
143 College Street.

ARTHUR MARSHALL WYNNE, M.A.,
Research Assistant in Zymology, 27 Albertus Avenue.

GEORGE SILLS YOUNG, B.A , M.B.,
Clinician in Medicine, Toronto General Hospital,
143 College Street.

JOHN FRANCIS TODD YOUNG, M.A.,
Class Assistant in Physics, 28 Kennedy Avenue.

ROBERT VICTOR ZUMSTEIN, M.A.
Assistant Demonstrator in Physics, 73 Robert Street.

DEGREE OF BACHELOR OF MEDICINE.

1. The thirty-fourth session since the re-establishment of the Faculty of Medicine of the University of Toronto will commence on Tuesday, the 28th of September, 1920.

2. The Degrees in Medicine are Bachelor of Medicine (M.B.), and Doctor of Medicine (M.D.).

3. Candidates for the degree of Bachelor of Medicine are required to matriculate and to attend during six sessions of at least eight months each the courses of instruction presented, and to pass examinations taken at the end of each session.

ENTRANCE.

4. A candidate for the degree must pass the Matriculation examinations unless he (1) possesses a degree in Arts, not being an Honorary Degree, from any Dominion or British University; or (2) has already matriculated in the Faculty of Arts or in the Faculty of Law in this University; (3) possess a certificate of entrance into the Faculty of Education; or (4) if coming from a Province of Canada other than Ontario must present a certificate of matriculation in a University of his Province, together with a certificate of registration as a medical student with the Registrar of the Medical Council of his Province.

5. Students are required to complete matriculation before being admitted to the course in Medicine.

6. No fee will be charged for transferring from the Faculty of Arts to that of Medicine.

REGISTRATION.

7. Students entering the University are required to apply to the Registrar of the University, to whom they will submit the certificates on which they claim entrance standing. They will receive from him a card certifying that they are entitled to register with the Secretary of the Faculty of Medicine.

It should be understood that the programme and regulations regarding courses of study and examinations contained in this Calendar, hold good for this calendar year only, and that the Faculty of Medicine, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole six years of a student's course, to the conditions here laid down.

8. No student shall be allowed to register in the Faculty of Medicine after the first day of term of any year, and must be in actual attendance from the date of registration, and no student shall be admitted to any laboratory or clinical course after that date, except at the discretion of the instructor concerned. Any student desirous of repeating any year more than once must obtain the permission of the Faculty Council before being allowed to do so.

9. Enrolment for Clinical classes begins on September 28th and under no circumstances will any student be signed up before that date. Registration will not be accepted by letter, neither is one student permitted to sign for another, but each must register in person.

10. Regular attendance in all the courses of the year shall be required as well as a satisfactory repetition of the work of each course from any student who may be repeating his year.

11. *A student who has attended the course of instruction in any year will be required to complete the examinations for that year before he will be permitted to register in the succeeding year.*

Attendance.

12. Candidates are required to attend lectures and receive practical instruction during each of the six years at this University.

13. A student who fails to do satisfactory term work in any subject is not permitted to present himself for examination, either theoretical or practical, until he is able to present satisfactory certificates of term work completed. A student who for any reason may be required to repeat his year, must repeat his attendance at all the courses of the year and must produce evidence of having satisfactorily repeated the work of each course.

14. In cases of students applying for temporary positions in hospitals or for *locum tenens* to physicians the permission of the Faculty Council must be obtained before they will be allowed to absent themselves from the lectures and laboratory work of the University.

Notice for Fifth Year Students.

The students of the Fifth Year are forbidden to accept house positions at the Hospitals during the period they are engaged in the work on Specialties, excepting only positions in the Obstetrical Hospital, such appointments to be held only during the five weeks that they are engaged in the work of Obstetrics and Gynaecology.

FEES FOR INSTRUCTION.

Regular Students in Medicine.

15. All University fees are payable to the Bursar, at his office in the Main University Building, between the hours of ten and one o'clock, except on Saturday.

16. *Regular Students.* First, Second, Third, Fourth, Fifth and Sixth Years—Annual Fee, including tuition, library, laboratory supply, hospital* and one annual examination—

If paid in full on or before November 10th	$150.00
By instalments—	
First instalment, if paid on or before November 10th	75.00
Hart House fee, to be paid by all male students proceeding to the degree	10.00
Second instalment, if paid on or before February 10th	78.00

17. *Combined Courses in Arts and Medicine.*

Annual Fee, including college registration, library, laboratory supply, and one annual examination:

	Arts Fees.	Medical Fees.	Total.
First Year Arts	$57.00		$57.00
Second Year Arts	58.00		58.00
Third Year Arts and Second Year Medicine	57.00	$85.00	142.00
Fourth Year Arts and Third Year Medicine	62.00	85.00	147.00

The fees for the Fourth, Fifth and Sixth Years in the Faculty of Medicine are as for regular students.

Payment of the Medical portion of the fees—	
If paid on or before November 10th	$85.00
By instalments—	
First instalment, if paid on or before November 10th	43.00
Second instalment, if paid on or before February 10th	44.00

18. The following fees for *Occasional and Post-Graduate Students* have been instituted—

(1) That candidates for a higher degree in Medicine, or graduates conducting research work, be required to register and pay a fee of $5.00.

(2) Students in Dentistry taking a course in Anatomy will be required to pay a fee of $20.00.

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*The composite fee of $150.00 includes one session's clinical facilities at the Toronto General Hospital, St. Michael's Hospital, or Toronto Western Hospital, and the Hospital for Sick Children, but does not cover the midwifery ticket for the Burnside Lying-in Hospital, which must be obtained there.

(3) Students who are required to take the Summer Course in one of the Clinical subjects, will be charged a fee of $20.00 per course; those taking three or more courses will be charged $50.00.

19. All of the above fees are payable in advance. After November 10th, a penalty of $1.00 per month will be imposed until the whole amount is paid. In the case of payment by instalments the same rule as to penalty will apply. A student will not be admitted to any of the University lectures or laboratories who is in arrears for his fees.

20. *General Fees.*

Matriculation, or registration of Matriculation	$5.00
Supplemental examinations	10.00
Admission *ad eundem statum*	10.00
Degree of M.B.	20.00
Degree of M.D.	20.00
Admission *ad eundem gradum*	20.00

In the case of candidates for the Final Examinations, the fee for the degree must be paid to the Bursar not later than the 20th of March.

WOMEN STUDENTS' ADMINISTRATIVE COUNCIL FEE.

21. The Annual Fee $2.00

Every woman student in attendance, proceeding to the Degree of Bachelor of Medicine, is required to pay to the Bursar at the time of the entry of her name with the Secretary, the annual fee of two dollars, in order to secure for the Women Students' Administrative Council sufficient funds to carry on the work of their Council, including joint financial responsibility with the Men's Student Administrative Council in the publication of "Varsity" and "Torontonensis" and the payment of a General Secretary-Treasurer for the Women's Council.

INSTRUCTION.

22. The course of instruction given by the Faculty of Medicine consists of six sessions of eight months each, preparing students for the degree of M.B.

23. The course is so framed that the requirements of the various Provincial Licensing bodies are fulfilled and it aims at giving the student such a training in the sciences as is now exacted of all those who desire to obtain any British Medical qualification in addition to a Canadian one.

The Senate of the University of Toronto determined that the increase in the length of the undergraduate course in medicine from five to six years should go into effect in the Autumn of 1919 (Session 1919-1920.) All students entering on or after this date wi[l be required to proceed in the Six Years' Course. There will therefore be no First Year of the Five Years' Course during Session 1920-1921

INSTRUCTION IN SIX YEARS' COURSE.

24. The student of Medicine is reminded that during his years of study he is preparing himself to enter a profession which presents manifold and diverse aspects. No prescribed course of study of practicable length can by any possibility fit the student for all of the special careers which the profession of medicine offers. The curriculum provided by the Faculty of Medicine is designed to furnish a framework of knowledge and technical skill which will adequately equip all students for the general practice of medicine and its branches, the time allotted for this purpose, in every subject of the course, being well in excess of that required as the minimum by examining boards and Universities in this and other countries. The six years' curriculum, however, also provides for the student filling in and amplifying his regular work with special studies that are designed either to broaden his general education, and therefore make him better fitted for the practice of medicine, or to enable him to undergo, in certain of the subjects of the curriculum, a somewhat more intensive training than is essential for all students, so as to prepare him for some particular type of medical career. To enable the student to accomplish these purposes a number of hours of optional study are prescribed, the precise subjects of study being largely left to the students' choice. It is, however, expected that this choice will not be aimless, but made of set purpose and designed to some particular end.

It will be of decided advantage to the student to form some conception of the general type of medical career which he desires to follow at an early period in his course. This is particularly so when a career in laboratory investigation (and teaching), hygiene or psychiatry is thought of. This choice should be made with great care, and only after a thorough investigation of the work involved. But it may be pointed out that it would not handicap a student if he should decide after trial of one type of course to change to another.

During the *first year* only a limited number of optional hours are available. The student who, upon entering the Faculty of Medicine is unfamiliar with scientific methods of work and thought is advised to utilize these hours in acquiring thorough familiarity with the prescribed subjects. The student who has some previous acquaintance with science and feels confident that he will not experience any exceptional difficulty in familiarizing himself with the prescribed subjects is advised to devote a certain proportion of his optional hours to the study of such subjects of general knowledge as will assist in providing him with that breadth of outlook and catholicity of interests which will enable him to enter with intelligence into the life and interests of the communities with which he may find himself associated, and to speak and write in a clear, simple and convincing manner.

Among the various courses of this nature which are available to the first year student the following are especially recommended:—

English 1a, 1b.....2 hours
History 1a.....2 hours
Scientific French.....2 hours
or
Scientific German.....2 hours
Mathematics (recommended for students of Group B4).

It is at the beginning of his *second year* that it will be of decided advantage to the student who contemplates a career in laboratory investigation (and teaching) hygiene or psychiatry to make his choice. While the prescribed regular schedule for the second and third years adequately covers all the subjects necessary for a thorough grounding in the introductory medical sciences, there is a certain amount of extra time in which those students who may have decided that they wish to enter some special field, can take extra courses designed to fit them to that end, or in which other students may take courses in general knowledge which will be useful and valuable in whatever branch of medical science they may afterwards find their life work. It should be clearly understood that the regular and optional schedules are so arranged that it will ultimately be no hardship if a student, having mistakenly elected some special course, should decide to proceed in some other direction.

Broadly speaking the student should aim at preparing himself in one or other of the following directions:

(*a*) General Practice Most students will naturally prepare themselves for the general practice of Medicine.

(*b*) There are certain students, however, who may desire to undergo a training which will qualify them for some special type of career. Such careers are as follows:

1. Medicine or Surgery.
2. Mental Diseases.
3. Public Health.
4. Laboratory investigation (and teaching).

Before entering upon one of the courses of Class B the student must have the sanction of the Faculty on the recommendation of his adviser.

(*a*) In preparing for *General Practice* the student should remember that his profession will be at least as much a branch of social service as of technical scientific practice and that upon a number of occasions in his career he will likely be called upon for advice and guidance in matters in which not only his medical skill and knowledge will be involved, but also social, ethical and economic factors, a right understanding of which will often enable his services to be very much more effective. The student of this category is, therefore, urged to utilize a substantial proportion of his optional hours of study in acquiring some measure of knowledge of the

leading principles of ethics and economics, including sociology. Optionals may be profitably chosen from among the following subjects:—

Second Year:—Any of the optionals of the first year also

*English 2a (2 hours).
*History 2a (2 hours).
*Political Economy (Economics) 16 (2 hours).
*Philosophy 3 (2 hours).
*Psychology 4 & 5.
Chemistry 7 (physical chem.).
Chemistry (Special course)
Physics 4, 5, 14.
Biology (Special course)

Third Year:—Any of the optionals of the first two years also:

*Political Economy (Economics and Sociology), 28, 29 (2 hours).
Philosophy (Logic and Theory of Method), 2 hours.
History 3a and 4a (3 hours).
Additional work in any of the Medical Sciences of the first three years.
Practical Dietetics (Household Science), 2 hours for 15 weeks.

(*b*) 1. In preparing himself for *Internal Medicine or Surgery* the student is recommended to equip himself as thoroughly as possible in the introductory Medical Sciences. He is, therefore, urged to choose the bulk of his optionals during his second and third years from subjects of this character. He must, however, also elect during both years, one of the asterisked subjects indicated above. Optionals may profitably be chosen from among the following subjects:—

Second Year:—Chemistry, 7, 9, 16.
Physics, 3a, 3b, 7, 25.
Comparative Anatomy (Zoology, 4 and 5).
Additional Anatomy.
Additional Histology and Embryology.
Any of the subjects detailed under the second year of Group A.

Third Year:—Additional Biochemistry.
Additional Physiology.
Chemistry, 4, 10, 19, 20.
Any of the subjects detailed under the second and third years of Group A.

(*b*) 2. The student who designs subsequently to devote himself to the study of *Mental Disease* is especially urged to equip himself with a knowledge of modern experimental psychology. He must elect one of the asterisked subjects under Group A. Besides this the following subjects are recommended:—

*During each of these years every student must elect as one of his optionals at least one of the subjects marked with an asterisk.

Second Year:—Psychology.
Chemistry 7, 9.
Physics (Electricity, etc.), 3, 7.
Third Year:—Psychology.
Additional Physiology.
Additional Biochemistry.

(*b*) 3. The student desiring to work in the field of *Public Health* should aim at acquiring some knowledge of economics in order to enable him to comprehend the political and social aspects of his work, and he should acquire a knowledge of Parasitology, of the structure, habits and control of disease-bearing insects, and especially of bacteriology immunology. He must elect one of the asterisked subjects of Group A. Besides this the following subjects are recommended:—

Second Year:—Political Economy.
Zoology (Parasites) } Biology 9.
Zoology (Insects) }
Chemistry, 7, 9.
Sanitary Engineering.
Sanitary Chemistry.
Third Year:—Bacteriology.
Protozoology.
Additional Biochemistry.
Statistics (Actuarial Science 2).

(*b*) 4. The student who aims at a career of *Laboratory Investigation* should be guided by the requirements of the field in which he desires to work, and should choose his subjects of optional study in conference with the adviser and the head of the department representing the subject in which he expects to be especially interested. The student is reminded, however, that in all fields of laboratory research, mathematics is becoming of rapidly increasing importance and he is strongly urged to acquire a knowledge of elementary calculus and of statistical methods. He must also elect one of the asterisked subjects of Group A.

Student Adviser.

In order to assist the student in making a correct choice of optional subjects, a student-adviser has been appointed for each year. Every student is required to submit to the adviser a list of his proposed studies and his time table, and the written approval of the adviser and the consent of the Faculty Council will be required before the student's registration will be considered to have been completed. It is understood that any coherent plan of study designed by the student for a particular and intelligible purpose will be approved, but courses of study which appear to be manifestly unsuitable, and for his choice of which the student can furnish no adequate explanation or excuse, will not be approved by the adviser.

Student Adviser for Class of 1919.....PROF. J. J. R. MACLEOD
Student Adviser for Class of 1920..... PROF. V. E. HENDERSON

INSTRUCTION IN THE FIVE YEARS' COURSE.

25. In the Second Year of the Five Years' Course the major part of the subjects of Anatomy, Physiology and Biochemistry is presented to the student; the subject of Histology is completed; and a course in Bacteriology is given.

26. During the Third Year of the Five Years' Course an attempt is made to bridge the gap which so commonly exists between the primary scientific and the final clinical subjects, by taking up Anatomy and Physiology at the same time as Surgery and Medicine throughout the year. Preliminary courses in Pathology and Pathological Chemistry are given during the Easter term. Instruction is also given in Pharmacology. A series of ten lectures upon Psychology is delivered in this year. Particular attention is paid during this year to teaching the student the methods of physical examination of both Medical and Surgical cases.

27. In the Fourth Year of the Five Years' Course the student devotes his mornings to clinical work at the various Hospitals. He spends the remainder of his afternoons at didactic lectures and at laboratory work in Pathological Histology and Gross Pathology. The clinical instruction is so directed as to prepare the student to undertake the complete physical examination of any patient, the greater part of his time being occupied with Medical and Surgical cases. In this year the student is introduced to the subjects of Obstetrics, Gynaecology, and the specialties of the Eye, Ear, Nose and Throat. Several weeks are spent in the study of Paediatrics and Orthopaedic Surgery at the Hospital for Sick Children. Lectures are also delivered during the year in Special Pathology, Therapeutics, Surgical Anatomy, Medical Jurisprudence, Toxicology and Hygiene.

28. During the Fifth Year of the Five Years' Course the student devotes one period of ten weeks to Clinical Medicine, one of ten weeks to Surgery and Surgical Pathology, and one period of five weeks to Obstetrics and Gynaecology, and one of five weeks to Clinical Therapeutics, Opthalmology, Oto-Laryngology, Dermatology, Paediatrics, Neurology and Psychiatry. Those students whose work and standing justify it, will be given special advanced courses of laboratory work in Pathology and Pathological Chemistry or some special instruction in one of the clinical departments. Clinical lectures in Medicine, Surgery and special subjects, Pathological Conferences, and short courses of lectures on Anaesthesia. Dentistry, Medical Ethics, History of Medicine, and Life Insurance are also given in the Fifth Year.

29. SUBJECTS OF INSTRUCTION.

Five Years' Course. **Six Years' Course.**

FIRST YEAR.

1. Biology.
2. Chemistry.
3. Physics.
4. Science. and Civilization.
5. English Expression.
6. Options.

SECOND YEAR.

Five Years' Course.	Six Years' Course.
1. Anatomy.	1. Anatomy.
2. Physiology.	2. Histology.
3. Biochemistry.	3. Embryology.
4. Histology.	4. Chemistry (Organic).
5. Bacteriology.	5. Options.

THIRD YEAR.

1. Anatomy.
2. Physiology.
3. Pharmacology.
4. Pathology.
5. Pathological Chemistry.
6. Clinical Laboratory Methods.
7. Medicine.
8. Surgery.
9. Psychology.

FOURTH YEAR.

1. Medicine.
2. Surgery.
3. Obstetrics and Gynaecology.
4. Pathology.
5. Pathological Chemistry.
6. Hygiene and Preventive Medicine.
7. Medical Jurisprudence.
8. Toxicology.
9. Psychiatry.
10. Paediatrics.
11. Ophthalmology.
12. Oto-Laryngology.
13. Therapeutics.

Fifth Year.

1. Medicine.
2. Surgery.
3. Obstetrics and Gynaecology.
4. Pathology.
5. Ophthalmology.
6. Oto-Laryngology.
7. Therapeutics.
8. Dermatology.
9. Psychiatry
10. Neurology.

SUMMER COURSES IN CLINICAL SUBJECTS.

30. For students who have been conditioned in Clinical subjects, summer courses in the following subjects will be given during the months immediately preceding the Supplemental Examinations in September:

Clinical Medicine,
" Surgery,
" Obstetrics,
" Gynaecology,
" Ophthalmology,
" Oto-Laryngology,

These Courses will be held at the Toronto General Hospital, St. Michael's Hospital and the Hospital for Sick Children.

(For information regarding fees for these Courses, see pages 29, 30).

SCIENCE COURSES FOR STUDENTS IN MEDICINE.

31. The special attention of students about to enter the undergraduate course in Medicine is directed to the new Honour Science Course in the Faculty of Arts, adapted particularly as preparatory to the instruction given in the final years in Medicine. A student who enters this course, which is called the Biological and Medical Sciences, may, on entering the Third Year in Medicine and after completing the Sixth Year of the Medical Course, present himself for the degree of Bachelor of Medicine. It is thus possible for a student to obtain the degree of Bachelor of Arts and Bachelor of Medicine after seven years' study at the University.

32. In the curricula of this Arts Course the Science subjects are treated more extensively than they are in the Medical curriculum.

33. The Biological and Medical Science Course completes the requirements of the first three years in Medicine with the exception of Bacteriology of the Second Year. First and Second Years in the Biological and Medical Science Course are equivalent to the First Year in Medicine. The first two years work is the same as that for the course in Physiology and Biochemistry. The students who proceed during the third and fourth years of this course take up the subjects of Physiology and Biochemistry *without reference to Medicine.*

34. These courses not only afford opportunities for a broader training and greater scientific attainment than is possible in the six years' course in Medicine, but they fit the student for a much wider field of usefulness after graduation. The graduate who has taken one of the Science Courses in Arts and subsequently the Course in Medicine is qualified to devote his life to one of the purely scientific lines of Medicine, if he should so elect, after leaving the University, and, moreover, he is, undoubtedly, better fitted to practise his profession should he desire to prepare himself for that alone.

35. Students who proceed to the Arts degree through other Science Courses may, on entering the Faculty of Medicine, be allowed exemption from such subjects in Medicine as they have taken in the curricula of the Faculty of Arts.

B.Sc. (MED.) COURSE.

36. The degree of B.Sc. (Med.) has been added to the curriculum in Medicine so as to encourage scholarship and give official recognition to students who have done exceptionally well in the introductory medical sciences.

1. Medical students of the Six Years' Course who have reached the end of the third year or subsequent years of their course, and who have maintained a standard to be subsequently determined in all of their classes, may become candidates for the degree provided: (a) They spend one year longer (a fourth year) in the introductory medical sciences in groups of courses which will be mapped out on the general basis that the greater proportion of time is spent in one department of the introductory medical sciences, and the lesser proportion in adjunct departments. These students would also, except in the case of those entering with senior or honour matriculation, be required to show facility in reading one modern language besides English, and to take sometime during the four years the two years optional course in Mathematics for medical students, or General Biology.

2. Graduates in Medicine irrespective of the standard of their entrance requirements, who have maintained a satisfactory standard throughout their entire medical course, may become candidates for the degree provided: (a) They spend one additional year in work in some laboratory department of this University (including those of the clinical years) and

carry out a piece of research to the satisfaction of the head of the department. (b) They acquire facility in reading one modern language besides English. Medical graduates who return to laboratory departments as fellows or demonstrators will be eligible for the B.Sc. (Med.) degree, but the successful prosecution of a piece of research is essential.

EXAMINATIONS.

37. The Annual examinations are held in May at the end of the First, Second, Third, Fourth, Fifth and Sixth academic years, and the Supplemental examinations in September.

38. The Annual examinations are held in May, and the Supplemental examinations in September. Candidates who have been conditioned in one or more subjects at the Annual examinations and again fail in the subjects at the Supplemental examinations in the autumn, and who are thereby prevented from registering in the next succeeding year, shall be required to repeat the year.

39. A minimum of fifty per cent. in each subject is required to pass. Candidates at the First and Second examinations who have passed in the majority of the required subjects, and candidates of the Third, Fourth and Fifth Years who have passed in all but three subjects, may present themselves at the Supplemental examinations next ensuing, in the subjects in which they failed (provided they have complied with the regulations respecting clinical work) and on passing at such examinations, shall be allowed their year.

40. A candidate failing in the majority of the subjects in First, Second or Third Years shall not be allowed to take Supplemental examinations in the Autumn, but shall be required to repeat the year in which he has failed, except on special recommendation of the Board of Examiners, their recommendation to be made at the time of the examiners' meeting of the Annual examination. A candidate of the Fourth or Fifth Years failing in more than three subjects at the Annual examinations must pass in all subjects at the ensuing Supplemental examinations or repeat his year, before he will be allowed to again present himself for examination.

41. A candidate failing in Medicine, Surgery or other Clinical subjects at the annual examinations shall be required to take a course of additional instruction provided by the Faculty of Medicine in the subject or subjects in which he has failed, before being again admitted to examination. The length of the term of additional study in each case of failure will be specified by the Board of Examiners in making their returns at the Annual Examinations.

42. Undergraduates who have been prevented from attending the Annual examinations by sickness, domestic affliction, or other causes beyond their control, may make application for permission to present themselves for examination at the Supplemental examinations in September, and must give satisfactory evidence of the cause of absence.

43. No application from a student for aegrotat standing shall be entertained unless he has gained 50% of the laboratory or term marks in all departments of his course, or has been granted exemption from the same. Except under unusual conditions a special examination of the candidate shall be held. Such examination, if possible, must be held previous to the final meeting of the Board of Examiners.

ADMISSION TO EXAMINATIONS.

44. A candidate will not be admitted to an examination unless he has paid all the fees due from him.

45. A candidate who sends his application for examination after the day appointed for the receipt of such application must pay an additional fee of one dollar.

46. No candidate in a course involving practical work in a laboratory or clinic will be admitted to examination if the Professor under whom his work is carried on reports in writing to the Secretary that he has not done satisfactory laboratory or clinical work or has signally failed in the practical examinations. No candidate in the First Year shall be permitted to present himself at the Annual examinations until a report that he has obtained satisfactory standing in his laboratory work and in term examinations is presented to the Secretary's Office by the Heads of the Departments of Biology, Chemistry and Physics.

47. Every undergraduate who proposes to present himself at an examination must send to the Secretary a statement (according to a printed form which will be furnished) of the course he is taking, whether he intends to compete for Honours, and such other particulars as the printed form may indicate, together with the original certificates referred to in this statement. At the Fifth examination, the candidate is required to submit the following certificates—

(1) Of having conducted at least twenty labours.
(2) Of proficiency in vaccination.
(3) Of having attended fifteen autopsies.

Students of the Fifth Year shall only be eligible to take off their required number of Obstetrical cases in the hospitals during the time that they are attending Obstetrical clinics.

48. The work in the laboratories and in the wards of the hospitals during the session is an essential part of the instruction and will be considered in determining standing at any examination.

49. Before admission to examination the candidate is required to submit evidence of having complied with the regulations respecting attendance upon didactic, laboratory, and clinical work in each of the subjects of instruction for the year in which he seeks examination. A certificate is issued by the University, and must be signed by the head or heads of each department of instruction.

50. SUBJECTS OF THE ANNUAL EXAMINATIONS

Five Years' Course. **Six Years' Course.**

First Examination.

1. Biology.
2. Chemistry.
3. Physics.
4. Science & Civilization.
5. English Expression.
6. Options.

Second Examination.

Five Years' Course.	Six Years' Course.
1. Anatomy.	1. Anatomy.
2. Physiology.	2. Histology.
3. Biochemistry.	3. Embryology.
4. Histology.	4. Chemistry (Organic).
5. Bacteriology.	

Third Examination.

1. Anatomy.
2. Physiology.
3. Pharmacology.
4. Pathology and Pathological Chemistry.
5. Medicine.
6. Surgery.

Note.—The oral examination in General Anatomy will be held at the end of the Michaelmas term.

Fourth Examination.

1. Medicine.
2. Surgery.
3. Obstetrics and Gynaecology.
4. Pathology and Pathological Chemistry.
5. Hygiene and Preventive Medicine.
6. Medical Jurisprudence and Toxicology.
7. Therapeutics.

FIFTH EXAMINATION.

1. Medicine.
2. Surgery.
3. Obstetrics and Gynaecology.
4. Pathology.
5. Paediatrics.
6. Clinical Ophthalmology.
7. Clinical Oto-Laryngology.
8. Clinical Therapeutics.

EQUIVALENT HONOUR COURSES AND EXAMINATIONS.

51. The following Honour courses of instruction and examination in the Faculty of Arts are accepted in the place of courses of instruction and examinations in the Faculty of Medicine, subject to possible amendment during the present session, according to the subjoined scheme.

Faculty of Arts.		Faculty of Medicine.
1. First and Second Years Physics of the courses in Mathematics and Physics and in Natural and Physical Sciences	is accepted for	First Year Physics.
2. First Year *Biology	is accepted for	First Year Biology (General Biology).
3. Mammalian and Comparative Anatomy of Second Year Biological and Physical Sciences and Third Year Biology	is accepted for	First Year Biology, Mammalian and Comparative Anatomy
4. Histology and Cytology of courses in Third Year Biological and Physical Sciences	is accepted for	Histology of the Second Year
5. Embryology of Third and Fourth Years of courses in Biological and Physical Sciences and Biology	is accepted for	Embryology of the Second Year
6. Biochemistry of Third and Fourth Years of course in Biological and Physical Sciences	is accepted for	Biochemistry of Second and Third Years
7. Physiology of Third and Fourth Years of courses in Biological and Physical Sciences	is accepted for	Physiology of Third Year
8. Chemistry of First and Second Years of courses in Biological and Physical Sciences	is accepted for	Chemistry of First and Second Years

*Provided 50% has been obtained in the examination.

9. Anatomy of Third and Fourth Years of course in Biological and Physical Sciences..	is accepted for	Anatomy of the Second Year
10. Anatomy of the Second and Third Years of the Physiological and Biochemical course	is accepted for	Anatomy of the Second Year
11. Biochemistry of the Third Year in the Physiological and Biochemical course	is accepted for	Biochemistry of the Second and Third Years
12. Physiology of the Third and Fourth Years of the Physiological and Biochemical courses (including Physiological Neurology)	is accepted for	Physiology of the Third Year
13. First and Second Class Honours in the Physiological and Biochemical course	is accepted for	Honours in Physiology and Biochemistry

EQUIVALENT EXAMINATIONS.

52. Courses of lectures and examinations in the Faculty of Arts are accepted in the place of courses of lectures and examinations in the Faculty of Medicine, according to the following scheme—

Faculty of Arts.		Faculty of Medicine.
1. The instruction and examinations of the Third Year in the Physiological and Biochemical course	equivalent to	The course and examinations in the Second Year except in Bacteriology
2. The instruction and examinations in the Fourth Year of the Physiological and Biochemical course	equivalent to	The course and examinations of the Primary Subjects in Medicine except in Bacteriology
3. The instruction and examinations in Physiology and Biochemistry of the Third and Fourth Years in the Biological and Physical Sciences	equivalent to	The course and examinations in Physiology and Biochemistry of the Second Year

4. The instruction and examinations of the Fourth Year of the course in Biological and Physical Sciences	equivalent to	The course and examinations in the Second Year, except Bacteriology

53. Candidates who desire to compete for scholarships and medals are required to submit to the annual examination in all the subjects of each examination, though otherwise entitled to partial exemption according to the preceding scheme; and candidates not competing for scholarships or medals, who are entitled to exemption according to the preceding scheme, will rank in Honours in these subjects.

HONOUR STANDING.

54. In the results of the examinations of each year, a list of those students who obtain an average of 75% in all subjects of the year and not less than 60% in any subject, shall be published as having obtained Honour Standing.

The names of those students who have obtained Honour Standing in the last two years of the course, shall in the graduating list be marked so as to indicate the fact that they have graduated with Honours.

ADMISSION AD EUNDEM STATUM.

55. Undergraduates of other universities applying for admission *ad eundem statum* must present certificates of having passed the examinations in the various subjects of this curriculum preliminary to the examination for which they desire to present themselves.

Application for Equivalent Standing.

56. Any student of another university or college who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is requested to send his application to the Secretary of the Medical Faculty together with---

1. A statement of preliminary education with certificates.
2. A Calendar of the university in which he has studied, giving a full statement of the courses of study.
3. A complete statement of the course he has followed.

No applications or petitions for exemptions from classes, laboratory work or examinations will be received or considered unless filed at the Secretary's office on or before October 15th of any year.

4th. A certificate of the standing gained, and of conduct. These will be submitted to the Faculty, who will decide what examinations may be necessary before admitting the candidate.

5th. No student in Medicine will be received by this University from other universities whose certificates for courses are not complete for the period prior to that at which he received standing in the University of Toronto.

DOCTOR OF MEDICINE.

57. A Bachelor of Medicine will be eligible for the degree of M.D. on the following conditions—

(1) At least one year must elapse between the date of conferring the degree of M.B. and that of conferring the degree of M.D.

(2) He must present an approved thesis embodying the results of an original research conducted by the candidate in any department of Medicine.

(3) The subject of the thesis must be submitted to the Registrar for the approval of the Board of Post-Graduate Studies at least five months before the degree is conferred.

(4) The degree may be conferred at any regular meeting of the Senate.

ADMISSION AD EUNDEM GRADUM.

58. A graduate of any of the universities in Great Britain or Ireland, if his degree be not an honorary one, may be admitted to the like degree in the University of Toronto. He must send in his certificate to the Registrar at least two weeks before the first meeting of the session of the Senate at which his application is to be brought forward.

The George Brown Memorial Scholarship in Medical Science.

59. Dr. A. H. F. Barbour, of Edinburgh, having placed one thousand pounds sterling at the disposal of the University of Toronto, for the purpose of founding a Scholarship in Medical Science in memory of the late Hon. George Brown, the following regulations have been adopted with regard thereto—

This scholarship shall be called the George Brown Memorial Scholarship in Medical Science and shall be awarded annually at the Convocation for conferring degrees in Medicine to the Bachelor of Medicine who shall have distinguished himself most in the subjects of Anatomy, Biology, Physiology, Biochemistry, Pharmacology, Pathology and Pathological Chemistry.

The award shall be made by a committee composed of the Professors in these subjects who shall report as to the successful candidates, after having given due attention to the results of the annual examinations, and to the character of the work done by the candidates in the University laboratories.

The holder of the scholarship during the year of tenure is required to engage in original research in any one of the laboratories of the University on some subject bearing on the advancement of medical science—the laboratory providing the material for the investigation.

The scholarship is to be paid in two portions, two-thirds at the time of award and one-third six months later, on the holder giving satisfactory report (to whomsoever the University may appoint) of the work he has already done.

A report of the research, when completed, is to be given to the University.

The value of the scholarship is five hundred dollars ($500.00).

The Starr Medals.

60. The late Richard Noble Starr, M.D., devised certain property for the encouragement of post-graduate study in Anatomy, Physiology and Pathology, and in fulfilment of this object one gold and two silver medals called the "Starr Medals", are awarded annually to three candidates for the degree of M.D., who have shown by the theses which they have presented for that degree, that they have successfully pursued such study in any one of these subjects. The theses for which these medals are given must attain a standard approved of by the Board of Examiners, and the relative value of the theses will determine the rank of the candidates for the medals.

George Armstrong Peters Scholarship.

61. The Scholarship will be awarded biennially to a graduate student of the University of Toronto on the recommendation of the Department of Surgery.

The first award was made in 1912. The holder of the Scholarship will be required to undertake work in one of the Departments of the University which will have some special bearing on Surgery.

This Scholarship will be available for any graduate who wishes to do special research work in connection with the Department of Surgery or in correlated subjects.

A graduate wishing to obtain the Scholarship must apply to the Department of Surgery and present his credentials, and the award will be made on the recommendation of the Department.

The value of the Scholarship is two hundred dollars ($200.00).

A Prize.

62. A portion of the fund of the Reeve Post-Graduate Scholarship will be devoted to establishing a prize of $50.00, to be awarded annually for the best published report of work done in the laboratories by a research Fellow or junior member of the staff in any department in Medicine.

The award shall be made in September by a Committee composed of the Professors of Anatomy, Physiology, Biochemistry, Pharmacology, Pathology and Pathological Chemistry.

Chappell Prize.

63. Dr. Walter F. Chappell, of New York, a graduate in the Faculty of Medicine of the University of Toronto, has established a prize of Fifty Dollars ($50.00) per annum to be awarded in alternate years to the best student of the final year in Clinical Medicine or Clinical Surgery. In June, 1920, the prize will be awarded in Clinical Surgery. This prize is awarded on recommendation of the Head of the Department.

The James H. Richardson Research Fellowship in Anatomy.

64. This Fellowship of the annual value of Five hundred dollars ($500.00) has been established in memory of the late Dr. James H. Richardson, for many years Professor of Anatomy in the University of Toronto. It is open to graduates in Medicine of the University of Toronto and of such other Universities and Medical Schools as may be approved by the Nominating Committee and to students in the University of Toronto who shall have completed the third year of the course in Medicine.

The fellowship is awarded on the nomination of a Committee consisting of the Professor of Anatomy, the Professor of Biology and the Professor of Surgery in the University of Toronto, and the holder of it is obliged, during its tenure, to devote his entire time to investigation in Anatomy under the direction of the Professor of Anatomy in the University of Toronto. The fellowship is tenable for one year, but the holder of it is eligible for re-appointment for not more than two additional years, at the discretion of the University Senate upon the recommendation of the Nominating Committee.

Applications for nomination to the Fellowship should be handed to the Professor of Anatomy not later than the first day of May of each year.

Research Medicine.

65. During the early months of 1913, on request, a number of business men subscribed to a fund for the promotion of Clinical and Laboratory Research work in the Department of Medicine. The fund has already reached upwards of $75,000.00; it is payable in five annual instalments.

The first aim is to establish one or more Fellowships annually, for the recent graduates. Each Fellowship is tenable for three years, and will be of the value of $750 the first year.

Ellen Mickle Fellowship.

66. A Fellowship, being the annual income from an endowment of Twenty Five Thousand Dollars ($25,000) has been established by the late Dr. W. J. Mickle, known as "The Ellen Mickle Fellowship", to be given to the student (or students) who in the examinations at the end of the fourth year of the Old Course or the fifth year of the New Course in Medicine, shall have taken honours of the first class in at least three fourths

of the subjects of that year, and shall have obtained the highest marks in the examinations. The award will be made to the above referred to student (or students) provided he proceed to the degree of Bachelor of Medicine in this University and spend one year in post graduate study approved by the Council of the Faculty of Medicine.

Charles Mickle Fellowship.

67. This Fellowship, bequeathed by the late Dr. W. J. Mickle, being the annual income from an endowment of Twenty Five Thousand Dollars ($25,000) will be awarded annually to that member of the medical profession who is considered by the Council of the Faculty of Medicine of the University of Toronto to have done most during the preceding ten years to advance sound knowledge of a practical kind in medical art or science.

EXTENSION COURSES AND LECTURES FOR GRADUATES IN MEDICINE.

The Faculty of Medicine of the University of Toronto recognizes that the practitioners of the Province are anxious to keep closely in touch with the advances in Medicine, and that they have a claim on the Provincial University to aid them in doing so. The Faculty considers this duty as being second only to the instruction of the undergraduate.

At the moment the rapid advances in knowledge and the many changes due to the war, make it impossible for the Faculty to offer set courses of sufficient variety to meet all the needs of those who seek further study. It further considers that the method which is the usual one in England and on the continent, will meet the needs, if it be administered in a personal and sympathetic way through an advisory committee.

Those who have studied abroad know that the routine method is for the graduate to attend the instruction given to the students of the senior years in Medicine, to follow the ward rounds and to go to the out-patient department picking up what he can. If special instruction is required in order to enable him to follow the clinical work, this is obtained privately from a tutor. The University hopes to improve on this method.

A standing committee has been appointed whose duty it is to give to any graduate interested, advice as to the clinics and lectures which should be taken and to confer with the heads of departments and individual teachers so as to arrange a course in advance for each applicant. Such a course may be modified by the committee if it does not prove suitable.

The Fifth Year student in Medicine is now receiving the most advanced type of clinical instruction, and his teachers often take advantage of the modern laboratory training given in the junior years and may thus make their instruction somewhat difficult to follow by those who have not had this preliminary training. The teacher will, however, be prepared to explain privately any difficulties, to recommend such books as will clear

away these difficulties or through the Committee to arrange for some speical laboratory instruction.

All the library facilities of the University will be open to any post-graduate student under the usual conditions.

The staff fully realizes that every effort must be made to render the visit of each post-graduate student both pleasant and of real value. Instruction may be obtained as outlined above in the following:

Medicine.
Surgery.
Obstetrics and Gynaecology.
Paediatrics.
Otology, Rhinology, Laryngology.
Ophthalmology.
Preventive Medicine.
Pathology and Bacteriology.

Applicants for courses should remember that the shorter and the more general a course they desire, the more difficult it will be to arrange to meet their needs and the more superficial the training that they receive is likely to be, while the longer the period they can devote and the narrower the field, the easier the committee will find it to meet their requirements and the more thorough will be the training.

The University will impose a minimum fee of $10 per month. This will be imposed for any course of less than a month as a registration fee. In such cases where extended work and attention is required, a special fee to cover the same will be arranged by the committee.

EXTENSION LECTURES.

In order to aid medical societies or groups of physicians to keep up-to-date, the committee is prepared to arrange lectures for such societies.

CURRICULUM FOR THE DIPLOMA OF PUBLIC HEALTH.

1. The University provides a Diploma in Public Health (D.P.H.) on the conditions hereinafter detailed.

2. Candidates for the Diploma must be graduates in Medicine of this University or some other University recognized for this purpose by the Senate.

3. The curriculum leading to the Diploma shall extend over one Winter Session of eight months and one Summer Session of three months.

4. The Winter Session shall be devoted to lecture courses and laboratory work in:—

(*a*) Sanitary Chemistry.
(*b*) Bacteriology.
(*c*) Parasitology.
and to lecture courses or practical work in
(*d*) General Hygiene.
(*e*) General Pathology including Theories of Immunity and Comparative Pathology.
(*f*) Elements of Geology, Meteorology and Climatology in their relation to Public Health.
(*g*) Sanitary Engineering.
(*h*) Public Health Organization, Sanitary Legislation and Vital Statistics.
(*i*) Clinics on Communicable Diseases.
(*j*) History of Preventive Medicine and Epidemiology.

5. The Summer Session shall be devoted to a course of Field work in Public Health under the supervision of a recognized Board of Health, and including the methods of dealing with infectious diseases, inspection of schools and other public buildings, factories and dairies, inspection of water supplies and sewage disposal plants and other forms of municipal sanitation, and medical inspection of school children.

6. At the conclusion of the Winter Session, written and practical examinations will be held on the subjects of the curriculum specified in paragraph 4.

7. Candidates who have passed the examinations and who present certificates of having satisfactorily completed the work specified in paragraph 5 will be granted the Diploma in Public Health.

8 The fees for the course, as outlined in paragraphs 3, 4 and 5, shall be $150.00, payable in two instalments of $75.00 each, at the beginning of the Fall Session and the Winter Session, respectively. The fee for the Diploma shall be $20.00.

9. Candidates who graduated in Medicine prior to 1907, and who have acted as Medical Officers of Health for a period of two years, may present themselves for the examination referred to in paragraph 6 without pre-

liminary attendance on the courses of instruction. For such candidates the fee for the Diploma shall be $100.00. This section will not apply after June, 1921.

10. Graduates in Medicine, who for a period of two years have been engaged in full time Public Health work, may take the examination specified in paragraph 6, when they have completed the courses required in paragraph 4, under the following conditions:—

The courses may be extended over a period of more than one academic year, and the examinations taken when all courses have been completed. A yearly fee of $75.00 payable at the beginning of the Fall Term, shall be payable by candidates taking more than one year to complete the required courses. (If one year only is taken to complete the work the fee shall be $150.00).

11. Candidates who present satisfactory evidence of having completed work the equivalent of that required in paragraphs 4 and 5 may petition to be granted exemption from attendance on such courses. This will apply only in the cases of candidates who have been for at least two years engaged in full-time Public Health work and who at the time of registration are so engaged.

12. The examinations for those qualifying under clauses 9 or 10 will be held in May or September, for others in September only.

Concurrent Course in Medicine and Dentistry.

Students who are matriculants in the Faculty of Medicine and in the Department of Dentistry may take a concurrent course in Medicine and Dentistry, which will extend over seven years.

Students taking this course will pass the regular University examinations in the subjects of the Medical Curriculum from year to year as they are completed in the Medical Faculty and in the final Dental subjects of the curriculum in Dentistry, from year to year as they are completed in the Royal College of Dental Surgeons.

Students taking this concurrent course, who have fulfilled all the requirements for the degree of M.B., and who have successfully passed the examination in the Dental subjects of the curriculum in Dentistry, including Dental Materia Medica and Therapeutics, shall receive the degree of D.D.S.

The fee payable to the University shall be $50 per year for the first four years, and $150 per year for the last three years, and the several laboratory fees.

COURSES OF LECTURES.
METHODS OF INSTRUCTION, WINTER SESSION, 1920-1921.
CHEMISTRY.

Professor: W. R. LANG.

Professor of Physical Chemistry: W. LASH MILLER.

Professor: F. B. KENRICK.

Professor of Organic Chemistry and Secretary of the Department of Chemistry: F. B. ALLAN.

Lecturer: W. S. FUNNELL.

Assistants: W. H. MARTIN, J. E. CLARK, N. A. CLARK, G. H. W. LUCAS, A. L. MARSHALL, T. C. MCMULLEN, MISS I. ROBERTS, M. E. SMITH.

All lectures and practical work will be given in the Chemistry Building.

First Year.

Lectures.—Students attend a course of experimental lectures delivered twice a week in the lecture theatre. This course embraces the study of the non-metallic and metallic elements and their principal compounds based on Mendelejeff's classification of the elements.

Practical Chemistry.---The laboratory work commences with quantitative and qualitative experiments illustrating the fundamental principles of chemistry; this is followed by work more intimately related to analytical chemistry. Instruction in quantitative methods of analysis is given.

Second Year.

Lectures—A course of lectures given twice a week on Organic Chemistry.

Practical Chemistry.—A special laboratory course to accompany the above lecture course will be given during the Easter Term.

Students working in the laboratory are provided with the necessary apparatus on making a deposit of four dollars at the commencement of the session, which will be returned at its close after the following charges have been deducted from it—

(1) The cost of all apparatus broken or destroyed.

(2) Any fines for breach of laboratory rules.

No certificate will be given for the practical work unless the student has passed the practical examinations conducted during the session.

Text-books:—Modern Inorganic Chemistry, Mellor; Inorganic Chemistry, Newth; General Chemistry for Colleges, Alex. Smith; Organic Chemistry, Norris; Physical Chemistry for Physicians and Biologists, Cohen and Fischer; An Elementary Laboratory Course in Chemistry, Kenrick and DeLury.

Books of reference recommended:—Inorganic Chemistry, Richter; Organic Chemistry, Richter.

PHYSICS.

Professor and Director of the Physical Laboratory: J. C. McLENNAN.
Associate Professor: E. F. BURTON.

Assistant Professors: L. GILCHRIST, J. SATTERLY, H. A. McTAGGART.

Assistant Demonstrators: Miss K. M. CROSSLEY, E. EVANS, Miss E. I. GILES, A. C. LEWIS, Miss M. I. MACKEY, Miss H. C. MILLAR, Miss F. M. QUINLAN, W. W. SHAVER, A. C. SINCLAIR, R. V. ZUMSTEIN.

Class Assistants: D. W. BATES, H. C. BATES, Miss G. CHANTLER, R. F. B. COOLEY, Miss H. I. EADIE, S. A. FASKEN, E. A. FINES, E. O. HALL, H. J. C. IRETON, P. LOWE, T. H. MILNE, P. A. PETRIE, N. W. REYNOLDS, G. M. SHRUM, J. A. SONLEY, J. F. T. YOUNG.

The work of instruction on Physics consists of a series of lectures and a course in practical work in the laboratories.

First Year.

Lectures.—The lectures on Physics will not only give a concise outline of the subject, but are intended to form a satisfactory foundation for future study in other branches of science.

A course of lectures on Practical Mathematics for students of Physics will be given one day a week during the whole year. The lectures will deal with the best methods of conducting experiments in order to get results of the desired degree of accuracy, the methods of taking averages, probable errors in the measurements, approximations, simplified arithmetic, percentage error of the results obtained, various graphs, use of logarithm, and trigonometrical ratios. Each lecture will be followed by one hour on the practical application of the principles dealt with in the lecture.

There will be three lectures in Physics per week during the year; one lecture each week bears directly on the practical work assigned to the student, while the other two lectures each week are part of a course dealing more particularly with the principles of Physics of special use to students of Medicine. The following is an outline of the work covered:

1. MECHANICS.

Measuring instruments, length, volume, weight, force, forces in equilibrium, moment of a force, centre of gravity, machines, velocity, acceleration, momentum, force (considered statically and dynamically), work, energy, power; calculations to illustrate the laws of mechanics, simple harmonic motion, the pendulum.

2. HYDROSTATICS AND HYDRODYNAMICS.

Fluid pressures and their transmission, specific gravity, the barometer, pumps, general properties of liquids and gases at rest and in motion, viscosity, capillary phenomena.

3. Heat.

Thermometers, thermal expansions, calorimetry, specific heat, latent heat, change of state, vapour pressure, hygrometry, thermal conduction, radiation, laws of cooling, heat and energy.

4. Properties of Matter.

Kinetic theory of matter, structure of solids, liquids and gases, existence of molecules, elastic properties and various moduli of elasticity, viscosity of liquids and gases, surface tension and capillarity, changes of states from solids to liquids and gases, liquefaction of gases, critical temperature and critical pressure, production of low temperature, recent confirmation of the molecular theory, Brownian movement, colloidal solutions and their relation to body fluids, the atomic theory, conduction of electricity through gases, radioactivity and radiations.

5. Sound.

General explanation of wave-motion, production, propagation, and detection of sound waves, reflection, absorption and interference of sound waves, resonance, tuning forks, organ pipes, vibrating strings and the musical scale, analysis of complex sounds, voice production.

6. Light.

Laws of reflection and refraction, mirrors, prisms, lenses, microscope and telescope, dispersion, colour, spectroscopy, double refraction and polarisation.

7. Electricity and Magnetism.

Laws of magnetism, static electricity, condensers, electrical conduction in solids, liquids and gases, voltaic cell, chemical, magnetic and heating effect of the electrical current, potential. Ohm's law and its applications, laws of electrical resistance, electromotive forces, induction, the induction-coil, high frequency currents, X-rays, electrical waves and radioactivity. Production of currents used in electrotherapy, galvanism, faradism, ionic and high frequency treatment, radiology.

Practical Work.—The Practical Work, consisting of a laboratory course of three hours each week designed to illustrate the principles dealt with in the lectures, will be conducted under the supervision of the Director of the Laboratory. In addition to the above, each student is required to attend a tutorial class, one hour each week, in the general work covered by all of the above courses.

Regulations.—Deposit Fee: Each student taking the laboratory course is required to make a deposit of two dollars ($2.00) before beginning work. All supplies, apparatus broken or destroyed and all fines will be charged against this deposit, which must be renewed when exhausted. At the close of the session cash balances will be returned on a day appointed for the purpose.

Text-book: W. H. White, Hand-book of Physics.

Relation of Science to Civilization.

First Year.

Lectures.—The greater part of the assigned time of 60 hours will be devoted to a course of lectures designed to illustrate the influence which scientific thought and achievement have had on the development of modern civilization. The remaining time will be devoted to conferences and reviews. The lectures will be given jointly by several lecturers, but the course as a whole will be under the general direction of Professor Huntsman.

Attendance and examination requirements are the same for this as for other courses of the first year.

EXPRESSION.

First Year.

Tutorial Classes.—In this course instruction will be given in the correct use of written and spoken English, and opportunity will be afforded each student to acquire experience in public speaking.

In order that the instruction may be as thorough as possible, the class will be divided into several groups, each of which will meet twice a week.

BIOLOGY.

Professor of Zoology: B. A. BENSLEY.
Associate Professor of Histology and Embryology: W. H. PIERSOL.
Associate Professor of Zoology: E. M. WALKER.
Assistant Professor in Vertebrate Embryology: A. F. COVENTRY.
Assistant Professor in Biology: W. A. CLEMENS.
Lecturer in Comparative Anatomy: E. H. CRAIGIE.
Lecturer in Histology: W. H. T. BAILLIE.
Lecturer in Biology: J. C. MACARTHUR.
Class Assistants: A. G. MCPHEDRAN, J. M. MACDONALD, J. H. COTTON, E. MCCULLOCH, A. ISAACSON, P. D. SPOHN, F. B. ADAMSTONE, W. V. JOHNSTON, N. F. MORRISON, L. M. MURRAY, W. A. SWITZER, E. CHANT.

First Year.

Lectures.—1. Students of the First Year will attend a course of ninety lectures to be given three times a week during the session. The lectures will serve as an introduction to the biological fields in relation to medicine. The topics include (1) the general nature of living organisms and of cell processes, (2) the types of lower organisms of interest to students of Medicine, (3) the elements of comparative anatomy, and (4) biological principles as applied to man.

Practical Work.—2. A course of one hundred and eighty hours, comprising two three-hour periods per week, the materials of which are based as far as possible on Lecture course I. The work comprises microscope practice, elementary experimental studies on the nature of cell processes, types of lower organisms, and a selected list of vertebrates, including the elements of mammalian anatomy.

Second Year, Six Years' Course.

Lectures and Practical Work—

1. A course of fifteen lectures and thirty hours laboratory work introductory to Embryology and Histology.

2. A course of twenty lectures and sixty hours laboratory work on Histogenesis and General Histology.

3. A course of fifteen lectures and twenty-five hours laboratory work on the development of the human body.

4. A course of twenty-five lectures and fifty hours laboratory work on Human Microscopic Anatomy.

Second Year, Five Years' Course.

Lectures.—A course of fifteen lectures on the more intricate problems of Human Histology.

Practical Work.—A course of fifty hours in Special Human Histology.

The student will have the opportunity of providing himself with a set of typical histological specimens.

Text-books: Biology: Parker, Bigelow.
Embryology: McMurrich, Manual of Embryology.
Mammalian Anatomy: Bensley, Practical Anatomy of the Rabbit.

Histology: Piersol, Normal Histology, 10th ed.; Böhm, v. Davidoff and Huber, Text-book of Histology, 2nd ed.; Bailey, Text-book of Histology, 3rd ed.; Jordan and Ferguson, Text-book of Histology, 2nd ed.

Reference Text-books:—Embryology: Bailey and Miller, 3rd ed., Keibel and Mall. Histology: Schäfer, Text-book of Microscopic Anatomy (Quain's Anatomy, 11th edition; vol. II, pt. 1); Sobotta, Atlas of Human Histology.

Physiology (including General Physiology.)

Professor of Physiology: J. J. R. MACLEOD.

Assistant Professor of Physiology: A. C. REDFIELD.

Demonstrator: N. B. TAYLOR.

Fellow: MISS J. LANG.

Part Time Fellows: L. G. KILBORN, R. S. LANG, MISS FRASER.

Librarian: MRS. M. MCFARLANE.

Secretary: MISS M. E. ARMOUR.

The following courses of instruction each extending throughout the session are offered.

1. Systematic lectures; two a week during second and third years.
   a. General and neuro-muscular physiology.
   b. Physiology of circulation, respiration, digestion and secretion.
   c. Metabolism, the functions of the ductless glands and reproduction.
   d. Physiology of the central nervous system and special senses.
2. Lectures in General Physiology.
3. Advanced lectures; two a week (third year—optional).
4. General laboratory courses (total of 135 hours).
   a. Neuromuscular Physiology (second year).
   b. Circulation, respiration and digestion (second and third years).
   c. Nervous system and special senses (third year).
5. Laboratory course in General Physiology.
6. Advanced laboratory courses (optional).
7. Research in Physiology.
8. Journal Club; one hour a week.

Every student must attain a certain standard in the laboratory exercises before he will be allowed to proceed to the University examinations in Physiology and Biochemistry.

Throughout the Session oral and, as may be necessary, written examinations will be held to ascertain the extent of the student's knowledge of Physiology, and the results of these, as well as his general work in the laboratory will be used to determine his position in the University Class Lists.

In the laboratory courses the students will be required to make good all loss through breakage or otherwise.

Text-books and Works of Reference: — Manual of Physiology, G. N. Stewart; Physiology and Biochemistry in Modern Medicine, J. J. R. Macleod; Starlings or Howells Physiologies; Bayliss' General Physiology; Luciani's Physiology (translated by F. Welby); Monographs in Physiology (edited by B. H. Starling). Other works important for consultation are Marshall's Physiology of Reproduction; Schäfer's Endocrine Organs; Text-Book of Physiology (edited by E. A. Schäfer); Recent and Further Advances in Physiology (edited by Leonard Hill); C. S. Sherrington, Mammalian Physiology.

Students are urged to become members of the Students Medical Library from which they may borrow, for home reading, books and monographs bearing on the subject of Physiology.

BIOCHEMISTRY.

Professor of Biochemistry: ANDREW HUNTER.

Assistant Professor of Biochemistry: HARDOLPH WASTENEYS.

Demonstrator in Biochemistry: J. MCFARLANE.

Tutorial Fellows: H. C. CRUICKSHANKS, R. W. I. URQUHART.

The following are the Courses of Instruction in this department for students of Medicine.

Second Year.

1. A general course of lectures in Biochemistry; two a week.
2. A general laboratory course in Biochemistry; six hours a week.

Third Year.

3. A course of advanced lectures on Biochemistry for Honour students; two a week.

4. An advanced laboratory course in Biochemistry for Honour students; six or more hours a week.

Every student must attain a certain standard in the laboratory exercises before he will be allowed to proceed to the University examinations in Biochemistry.

Throughout the Session oral and, as may be necessary, written examinations will be held to ascertain the extent of the student's knowledge of Biochemistry and the results of these as well as his general work in the laboratory, will be used to determine his position in the University Class Lists.

In the laboratory courses the students will be required to make good all loss through breakage or otherwise.

Text Books:—Robertson, Principles of Biochemistry; Robertson, Laboratory Directions in Biochemistry.

Works of Reference: General:—Hammarsten, Text-book of Physioloical Chemistry, translated by Mandel; Mathews, Physiological Chemistry; Taylor, Digestion and Metabolism; Lusk, Science of Nutrition.

Special Subjects:—Armstrong, Simple Carbohydrates and the Glucosides; Leathes, Fats; Plimmer, Chemical Constitution of the Proteins; Weber, article on "The Colloidal State" in the Chemistry of India Rubber; Robertson, The Physical Chemistry of the Proteins; Barger, The Simple Natural Bases; Underhill, The Physiology of the Amino Acids; Euler, General Chemistry of the Enzymes, translated by Pope; Arrhenius, Quantitative Laws in Biological Chemistry; Barcroft, The Respiratory Function of the Blood; Vincent, Internal Secretion and the Ductless Glands; Robertson, Chapter on "Growth and Development" in Volume 1 of Abt's System of Paediatrics; Loeb, The Organism as a Whole.

Laboratory Work:—Folin, a Laboratory Manual of Biological Chemistry; Hawk, Practical Physiological Chemistry; Plimmer, Practical Organic and Biochemistry.

ANATOMY.

Professor and Director of the Anatomical Department: J. PLAYFAIR MCMURRICH.

Associate Professor of Clinical Anatomy: G. A. BINGHAM.

Assistant Professor in Anatomy: J. C. WATT.

Demonstrators: W. A. SCOTT, R. E. GABY, J. S. SIMPSON, F. W. WESTON, R. L. ROWNTREE, R. HARRIS, G. M. DALE, R. O. FISHER, W. E. BROWN, R. J. P. MCCULLOCH, H. B. VAN WYCK, A. S. LAWSON, E. E. SHOULDICE, R. P. CROMARTY, F. G. BANTING, K. G. MCKENZIE, L. G. BRAYLEY, G. W. CARLETON.

Second Year.

Practical Work.—During the Second Year each student is obliged to dissect thoroughly the various regions of the body, following the plan outlined in a "Guide to the Dissection of the Human Body". Demonstrators will be in attendance each day for the purpose of superintending the work and of giving instruction, and will hold frequent examinations with the object of testing the student's progress. Certificates of credit in Practical Anatomy will be granted only to those students whose work has been completed to the satisfaction of the instructors in charge.

The Laboratory will be open from 9 a.m. until 5 p.m. every week-day throughout the session, with the exception of Saturdays when it will be closed at 12 noon.

Lectures.—In connection with the laboratory work lectures will be given by members of the staff, reviewing the work that has been completed. The object of this course will be to supplement the work in the Laboratory by calling attention to the relations and significance of the parts that have been studied and by elucidating with the aid of diagrams and models the anatomy of difficult and important structures.

Third Year.

Lectures.—During the Michaelmus Term a course of lectures will be given on the Anatomy of the Central Nervous System.

Practical Work.—In connection with the above course of lectures the class will be divided into small sections, to each of which a Demonstrator will be assigned, for the purpose of a practical study of the Anatomy of the Brain.

In addition lectures and demonstrations will be given upon the anatomy of special regions and organs, special attention being given to the correlation of the structure and functional activities of the parts considered.

Opportunity will be afforded, when necessary, for the dissection of parts that were uncompleted in the practical course of the Second Year, or of which a further study seems advisable.

Text-books:—Piersol; Gray; Morris; Cunningham's Text-book; McMurrich's Development of the Human Body, Guide to the Dissection of the Human Body for the use of Students in the Anatomical Laboratory of the University of Toronto.

Reference Text-books:—Spalteholz, Hand-Atlas of Human Anatomy; Toldt's Atlas of Human Anatomy; Sobotta's Atlas and Text-book of Human Anatomy; Eyclesbymer and Shoemaker, Cross-Section Anatomy; Quain's Anatomy; Barker's The Nervous System; Johnston, Nervous System of Vertebrates; Villiger, Brain and Spinal Cord; Herrick, Introduction to Neurology; Von Bardeleben's Handbuch der Anatomie; Rawlings, Landmarks; Treves, Applied Anatomy.

PHARMACY AND PHARMACOLOGY; MATERIA MEDICA.

Professor: V. E. HENDERSON.
Demonstrator: A. BRODEY.
Instructors in Pharmacy: J. A. MACDONALD, J. ARCHIBALD, D. BIRKETT.
Class Assistants: G. M. DOBBIN, G. SPOHN.

Third Year.

Two courses of laboratory work accompanied by lectures and laboratory talks are given.

Practical Work.—LABORATORY COURSE I. Experimental pharmacology. In this course the student obtains an opportunity to become familiar with representatives of the drug-stuffs composing the various pharmacological groups. The chief object of the course is to get the student into the habit of accurate observation of the effects produced by drugs and to be able to describe them in accurate pharmacological language. In consequence a great deal of attention is given to the note books kept by each student.

LABORATORY COURSE II. Practical Pharmacy. This course is very brief, consisting only of a few hours' work on the chemical and physical incompatibles and in dispensing several mixtures, pills and ointments, in order that the student may obtain such insight into dispensing as is necessary to enable him to write prescriptions intelligently.

Total of these two courses, 90 hours.

Arrangements have also been made with the Toronto General Hospital the Hospital for Sick Children and the Western Hospital, by which the students of this year will be drafted in turn to act as Assistants in the Hospital Dispensaries for a period of a week.

Lectures.—A course of lectures on general pharmacology (35 in all). This course is designed to supplement and extend the knowledge gained in the laboratory and from the prescribed text-book.

Prescription Writing.—Each student is expected to hand in answers to the problems in prescription writing announced each week. These are corrected and returned, and opportunity is given for the discussion of any difficulties with the staff during laboratory hours. Informal talks are also given from time to time as needed.

Text-books:—Pharmacy and Materia Medica, Henderson; Pharmacology, Dixon.

Reference Text-books:—Pharmacology, Cushny, Sollmann, Bastedo; Prescription Writing:—Bennett, Medical and Pharmaceutical Latin; Eggleston, Prescription Writing.

TOXICOLOGY.

Professor of Pharmacology: V. E. HENDERSON.

A course of ten lectures is given dealing with the pathology, pharmacology, symptomology and treatment of the more important poisons which are commonly the cause of either forensic or industrial cases of poisoning.

MEDICINE

Emeritus Professor of Medicine: Alexander McPhedran.

Professor of Medicine: Duncan Graham.

Associate Professor of Medicine: William Goldie.

Clinicians in Medicine: R. G. Armour, G. F. Boyer, W. R. Campbell, A. H. Caulfield, F. A. Clarkson, H. K. Detweiler, J. H. Elliott, A. A. Fletcher, N. Gwyn, G. W. Howland, H. S. Hutchison, R. Jamieson, N. M. Keith, J. D. Loudon, D. McGillivray, A. G. McPhedran, J. H. McPhedran, W. F. McPhedran, A. J. Mackenzie, F. S. Minns, L. Murray, W. Ogden, J. A. Oille, T. J. Page, H. C. Parsons, F. W. Rolph, D. King Smith, Chas. Sheard, Jr., G. S. Strathy, E. J. Trow, M. B. Whyte, G. S. Young.

Third Year.

Lectures:—During the Michaelmas term two lectures are given weekly on methods of physical examinations with the explanation and interpretation of physical signs. In the Easter term two lectures are given weekly on history taking, and methods of examination of the central nervous system, followed by an introduction to the study of Medicine dealing with the physiological aspects of disease.

Clinics:—Practical instruction in Clinical Medicine is given in the Hospitals and in the University Laboratories throughout the session. The Class is divided into small groups each of which is in charge of a clinician.

Instruction in the Clinics follows as closely as possible the work discussed in the lectures.

Clinical Microscopy.—Demonstrations and practical instruction are given in the microscopical examination of blood, urine, faeces, stomach contents, sputum, cerebrospinal fluid, transudates and exudates, together with the practical application of these examinations in the diagnosis of disease.

Instruments:—Students beginning Clinical work are strongly advised to supply themselves with the following instruments: Stethoscope, Tape Measure, Demagraph, Haemocytometer (Levy-Neubauer), Haemoglobinometer (Dare of Sahli), Thermometer, Head-mirror, Ophthalmoscope, Laryngoscope, Microscope with Condenser and Oil Immersion Lens.

Special arrangements have been made for obtaining these instruments.

Text-books:—Pathological Physiology, Hewlett; Physical Diagnosis, Cabot; Clinical Methods, Hutchison and Rainy; Clinical Diagnosis, Emerson; Medicine, Osler-Taylor.

FOURTH YEAR.

Lectures:—In the Fourth Year a course of thirty lectures is given on the different types of disease dealing with the subject from the pathological physiological standpoint. This is supplemented by a course of sixteen lectures on Diseases of the Nervous System.

Clinics:—The students of the Fourth Year devote the greater part of their time available for Clinical Medicine to the Medical Wards, examining patients, taking histories and carrying out the Clinical Laboratory investigation of their cases under the direction of the Staff.

The Class is divided into small groups and Ward Clinics are given on the different types of disease.

Groups consisting of one-sixth of the Year attend clinical demonstrations of Infectious Diseases at the City Isolation Hospital and the Hospital for Sick Children once a week, for a period of ten weeks.

A weekly Clinic is held in the Hospital amphitheatre at which selected cases illustrating the different types of disease are presented.

Clinical and Pathological Conference:—Each week a Clinical and Pathological Conference will be held throughout the session. Abstracts of the histories of the fatal cases of the week, with diagnosis made before the autopsy, are read. The specimens are then demonstrated, followed by a discussion of the case.

During the session, each student is required to prepare at least five complete records of medical cases. These records must be certified as satisfactory by the Clinician in Charge of the Clinic of which the student is a member.

FIFTH YEAR.

In the Fifth Year the student's time will be devoted wholly to Clinical work in the Wards and Out Patient Department of the Hospitals and in the University Laboratories.

During a period of ten weeks one-third of the Class devotes its whole time to Clinical Medicine. Each student is required to take charge of a number of patients in the Wards personally, recording the results of his Clinical and Laboratory investigations on the cases under his care. He attends the General Medical Clinic of the Out Patient Department twice a week and assists in the examination of cases.

Each group has one Ward Clinic daily and attends in rotation Special Clinics in the Out Patient Department on Diseases of the Skin, Nervous System, Tuberculosis and Syphilis.

Two theatre Clinics a week are given in the Hospital amphitheatre at which selected cases are presented.

A weekly Clinical Pathological Conference is held at which students are required to report the results of their Clinical examination on fatal cases under their care. This is followed by a demonstration of the autopsy specimens and a discussion of the Clinical and Pathological findings.

Reference Text-books—Fourth and Fifth Years:--"A System of Medicine", XI. Vols., Allbutt and Rolleston; "Modern Medicine",V. Vols., Osler and McCrae; "Monographic Medicine", VI. Vols., Barker; "Internal Medicine", III. Vols., Wilson; "Diseases of the Chest", Norris and Landis; "Diseases of the Heart", Mackenzie; "Diseases of the Heart and Aorta", Hirschfelder; "Clinical Disorders of the Heart-beat", Lewis; "Diseases of the Arteries and Angina Pectoris", II. Vols., Allbutt; "Symptoms of Visceral Disease", Pottenger; "Diseases of the Digestive Canal", Cohnheim; "Diseases of the Nervous System", Purvis Stewart, Jeliffe and White; "Diseases of the Skin", Sequeira, Hartzell, Pusey; "Pulmonary Tuberculosis", Fishberg; "Diagnostics and Treatment of Tropical Diseases", Stitt. "Oxford Loose Leaf Medicine", Christian and MacKenzie; "Nelson's Loose Leaf Medicine":

PAEDIATRICS

Associate Professor of Medicine in Charge of Paediatrics: Alan Brown

Clinicians in Medicine in the Sub-department of Paediatrics: Alan W. Canfield, Arthur M. Goulding, Beverley Hannah, Edward A. Morgan, George R. Pirie, J. Gordon Phillips, George E. Smith, Howard Spohn.

Chemist to the Sub-department of Paediatrics: Angelia M. Courtney.

Assistant Chemist: Ida F. MacLachlan.

Fourth Year.

Clinical Lectures:—The students of the Fourth Year will devote most of their time to learning the essential principles in paediatrics, and the difference in the manifestation of disease between adult and child. A series of thirty-two Clinical Lectures will be given, illustrated by Plates, Lantern Slides and Morbid Specimens; also by the presentation of patients when the nature of the subject under discussion makes it desirable. The subjects included in these Clinical Lectures are Physiology and Pathology of digestion in infants; percentage and caloric method of feeding; classification of digestive disturbances; deficiency diseases of childhood; congenital and acquired cardiac disease; tuberculosis; syphilis; nephritis; acute conditions arising in the new born infant and child welfare.

Fifth Year.

In the Fifth Year time will be devoted wholly to Clinics—Bedside and Out-patients. In addition to this each student is required to spend seven hours in one of the child welfare clinics, conducted by the Department of Child Hygiene. In these Clinics, he is given an idea of the normal feeding of infants, and children. During the Fifth Year Course three hours' practical work is required of each student in the milk modifying laboratory of the Children's Hospital, where he is taught the home modification of milk formulae.

Fellowships:—The Sub-Department of Paediatrics is prepared to offer two full-time Fellowships in Diseases of Children, to graduate students. These Fellowships will include a certain amount of clinical work as well as laboratory investigation, thus serving to keep the research worker in touch with clinical problems and further his interest in Clinical Paediatrics.

Text-books:—(1) Diseases of Infancy and Childhood, Holt; (2) Infant Feeding, Grulee; (3) Diseases of Nutrition and Infant Feeding, Morse and Talbot.

Reference Books:—(1) Diseases of Children, Garrod, Batten and Thursfield; (2) Common Disorders and Diseases of Childhood, Still; (3) System of Paediatrics (3 volumes), Dunn.

THERAPEUTICS.

Professor of Therapeutics: R. D. RUDOLF.

Demonstrator in Anaesthesia: S. JOHNSTON.

Demonstrators in Therapeutics: C. E. C. COLE.

S. R. D. HEWITT, W. V. WATSON,

Assistants in Anasthesia: T. R. HANLEY, M. D. MCKICHAN, W. H. CARVETH, C. H. ROBSON, J. J. HURLEY.

Therapeutics is taught in the two final years, and is made as practical as possible.

Fourth Year.

Lectures.—In the Fourth Year a course of lectures is given in which the general principles of the subject are considered in a systematic way, emphasis being laid upon the fact that Therapeutics includes far more than the employment of drugs. The whole matter is considered more from the standpoint of disease than from that of drugs and other remedies. Diet, specific therapy, hydrotherapy, massage, electricity, X-ray and climate are also dealt with. Once a week one-third of the class are given a practical demonstration at the hospital of methods of therapy, patients being freely used to illustrate the points.

Fifth Year.

Clinical Work.—In the final year the students are taken in groups at the General Hospital and the different methods of dealing with diseased conditions are demonstrated, generally upon actual patients. Here also prescription writing is practised. These demonstrations are quite informal and are conducted thrice a week in the medical theatre at the hospital and in the wards.

Students of the Fourth and Fifth years will receive individual practical instruction in the administration of anaesthetics.

Text-book:—Hare's Practical Therapeutics.

Reference Text-books:—Hutchinson & Collier's Index of Treatment, Lauder Brunton, Action of Medicines; Friedenwald and Rühran, Diet in Health and Disease; Wood, Therapeutics, its principles and practice; Potter, Ortner's Treatment of Internal Diseases; Cushny, Pharmacology and Therapeutics; Shoemaker, Materia Medica and Therapeutics; Hare, System of Therapeutics; Forchheimer's General and Special Treatment of Diseases; Forchheimer's Therapeusis of Internal Diseases; Sajous, Cyclopaedia of Practical Medicine; Da Costa, Medical Treatment.

SURGERY AND CLINICAL SURGERY.

Professor of Surgery and Clinical Surgery: I. H. CAMERON.

Professor of Clinical Surgery: A. PRIMROSE.

Associate Professor of Clinical Surgery and Clinical Anatomy: G. A. BINGHAM

Associate Professors of Clinical Surgery: H. A. BRUCE, F. N. G. STARR, P. W. H. MCKEOWN, S. M. HAY.

Associate Professor of Clinical Surgery and in Charge of Orthopaedics: C. L. STARR.

Associates in Surgery and Clinical Surgery: C. B. SHUTTLEWORTH, J. F. UREN, G. SILVERTHORN, E. S. RYERSON, W. A. SCOTT, W. W. JONES, W. E. GALLIE.

Demonstrators in Clinical Surgery: A. B. WRIGHT, M. H. V. CAMERON, N. S. SHENSTONE, G. E. WILSON, R. E. GABY, J. A. ROBERTS, A. S. MOORHEAD, A. H. PERFECT, D. E. ROBERTSON, OLIVER MABEE, F. A. CLELAND, J. A. MCCOLLUM.

Assistants in Clinical Surgery: P. K. MENZIES, ROBIN PEARSE, B. Z. MILNER, R. R. GRAHAM, L. B. ROBERTSON, C. H. HAIR, H. W. BAKER, C. B. PARKER, H. E. CLUTTERBUCK.

Temporary Assistants: G. M. DALE, G. C. MCINTYRE, H. HARRISON, J. S. SIMPSON, T. A. ROBINSON, C. H. GILMOUR, R. H. THOMAS F. E. WATTS, W. A. COSTAIN, R. P. CROMARTY, A. S. LAWSON, A. B. LE MESURIER, E. C. BEER, J. H. WOOD, R. I. HARRIS.

THIRD YEAR SURGERY.

1. *Lectures.*—A course consisting of an introduction to the general principles of surgery.

2. *Clinical Work.*

(*a*) Clinical study in the Out-patient Department or the Ward. Each clinical class will be taught the surgical conditions following, with History Taking, Surgical Landmarks, and the methods of making physical examinations as applied to them: Inflammation; Suppuration and Abscess; Surgical conditions of the skin and subcutaneous tissues; Bursitis; Tenosynovitis; Surgical affections of the Lymph Glands; Wounds; Haemorrhage

and Thrombosis; Sepis, infection and infectious diseases; Ulcerations; Gangrene; the general features of Fractures, Dislocations and Sprains; Hernia; Bandaging.

These conditions shall constitute the subjects of examination.

(*b*) A course of surgically applied clinical anatomy. This course will be conducted in the clinical theatre of the Toronto General Hospital. Regional anatomy will be studied on and illustrated by patients suffering from surgical conditions in different parts of the body. The anatomy of the different regions will be demonstrated by diagrams upon the blackboard, by frozen sections and by the use of the lantern.

(*c*) A series of demonstrations in surgical pathology. These demonstrations will be conducted conjointly by the clinicians and the pathologist and will consist of elementary demonstrations of the gross pathology, the histology, the bacteriology and the analyses of the blood, urine, etc., including not only microscopic findings, but the pathological chemistry necessary for complete clinical investigation. Individual types will thus be presented for the purpose of illustrating the steps necessary in the clinical study of surgical cases as indicated in the gross pathology together with the microscopic and chemical findings.

FOURTH YEAR SURGERY.

1. *Lectures.*—Thirty lectures are given throughout the session on some of the general principles of surgery. Short courses are included on the special surgery of certain regions of the body, *e.g.*, the abdomen; the head and neck; the extremities, etc., the courses varying from year to year.

2 *Clinical Work.*—(*a*) Clinical work in the wards will be conducted according to the time-table provided. During the year the student is taught to make a complete examination of surgical cases in order that he may be able to arrive at a diagnosis and to learn the appropriate scientific treatment. The following conditions will be studied and will be, as far as possible, the subjects of the clinics: (1) Injuries and diseases of the bones and joints; (2) the surgery of the neck, acute and chronic inflammation primary and secondary new growths, diseases of the thyroid gland; (3) surgery of the thorax, empyema, tumours of the breast; (4) surgery of the abdomen, appendicitis, cholecystitis, ulcer of the stomach and duodenum, cancer of the stomach, general peritonitis, tuberculous peritonitis, gall stones, acute and chronic intestinal obstruction, abdominal injuries, haemorrhoids, fistula in ano, anal fissure; (5) the surgery of the kidney, stone, pyonephrosis; (6) the surgery of the scrotum and testes, actue and chronic inflammation, tumours, hydrocele, variocele; (7) the surgery of the mouth, ulcers, tumours of the lip, tongue and gum, tumours of the upper and lower jaw; (8) diseases and injuries of blood and lymph-vascular systems.

A special course in orthopaedic surgery will be given in the Hospital for Sick Children.

(*b*) Each student will be required to take three complete histories during the year. Each history is to be written in accordance with the standard of the American College of Surgeons. This work will be directed by the clinical clerk under the authority of the house-surgeon. One history is to be left at the secretary's office at the end of each trimester. Each history after being initialed by the clinician is to be examined by the Professor of Clinical Surgery.

(*c*) A course of surgically applied clinical anatomy.

This course will be conducted in the clinical theatre of the Toronto General Hospital. Regional anatomy will be studied on and illustrated by patients suffering from surgical conditions in different parts of the body. The anatomy of the different regions will be demonstrated by diagrams upon the blackboard, by frozen sections and by the use of the lantern.

(*d*) A series of demonstrations in surgical pathology.

These demonstrations will be conducted conjointly by the clinicians and the representatives of the Department of Pathology and will consist of demonstrations of the gross pathology, the histology, the bacteriology and the analyses of the blood, urine, etc., including not only microscopic findings, but the pathological chemistry necessary for complete clinical investigation. The demonstrations will illustrate the steps necessary in clinical study, and the appropriate treatment, based upon the gross pathology, together with the microscopic and chemical findings.

FIFTH YEAR SURGERY.

The work of the Fifth Year in Surgery is entirely clinical, including one weekly mid-day clinical lecture.

Clinical Work.

(*a*) Two clinics will be given in each week to the students of this year. The clinical classes in each Hospital will consist of the students assigned to the surgical services in the various Hospitals.

(*b*) The students in this year register at the Secretary's Office with the surgical services at the Toronto General, St. Michael's, Western and Hospital for Sick Children, the number of men to each service depending on the number of students in the class. These men will be required to act as clinical clerks and to perform the two following groups of duties, the students alternating at the end of each five weeks.

GROUP 1.

(1) To act as assistants to the House Surgeon and to be prepared to carry out his instructions at all times.

(2) To take the history of each patient within twenty-four hours of his admission to the wards. To record the physical examination and to do and record the necessary laboratory work.

(3) To attend all the operations performed on his service, and to be prepared to act as assistant.

(4) To do whatever dressings are detailed to him by the House Surgeon.

(5) In the event of an autopsy on any patient who has been under his charge, to assist and make the necessary records.

GROUP 2.

(6) To work in the Out-patient Department and Emergency Departments.

(7) That he be required to attend the clinics given to the Third and Fourth Years on his service, and to be prepared to give a detailed account of the cases being presented, to the clinician, and if necessary, under the direction of the clinician, to act as demonstrator. Further, that he shall be required to provide and prepare the material for each clinic to the Third and Fourth Years.

(8) That during his term of service he shall be prepared when directed to do so, to assist in giving and to give anaesthetics to the patients on his service under the supervision of the anaesthetist.

(9) That he be responsible for keeping a record of the clinics given on his service and the passing of this record on to the next clinician when the classes change.

(*c*) Once a week a conference will be held in the Pathological Department, when the Professor of Pathology and the members of the Clinical teaching staff will meet to discuss the Pathological material which has been sent from the clinic to the Pathological Department during the preceding week. These conferences between the Pathologist and the Clinician will form a very important part of the tuition of the student in Surgery in the Fifth Year.

Text-books:—Rose & Carless; Spencer and Gask.; Da Costa; F. T. Stewart's "Manual"; Foote; Minor Surgery; Russell Howard; Pye's Surgical Handicraft; Surgical Diagnosis, Gould; A Synopsis of Surgery, Ernest W. Hey Groves; The Students' Text-book of Surgery, Barnett; Surgical Materials and their Uses, Maclennan.

Reference Text-books:—

Surgery:—Principles of, by Senn, Nancrede, Bryan, Choyce, Thomson and Miles; Practice of, by Treves, Erichsen; International Text Book, by Warren & Gould; Modern Surgery, by Roswell Park; American Practice of Surgery; Oxford Loose Leaf Surgery, Burghard and Kanavel; Surgical Treatment, Cheyne & Burghard; Operative Surgery, by Treves, Rowlands and Turner; Bryant, Bickham, Binnie, Kocher, Alexis Thonson, v. Schmieden; Genito-Urinary Surgery, Thomson Walker; Chetwood's Urology; White and Martin, Keyes, Casper- Bonney, Taylor, Henry Morris, Morton; Orthopædic Surgery, Bradford & Lovett, Whitman, Jackson Clarke; Fractures and Dislocations, Stinson; Dislocations and Joint Fractures, Cotton; Treatment of, Schudder; Diseasesof the Rectum and Anus, Gant, 3rd ed.; Surgery of the Chest, Paget, Carl Beck; Lungs, Fowler & Godlee; General Surgery, J. C. Warren, Lexer-Bevan; Preparaory and after treatment in Operative Cases, Haubold, Crandon;

Surgery of the Brain, Krause, Rawlings; Spine; Elsberg; Clinical Surgical Diagnosis, de Quervain (trans.); International Clinics.

PATHOLOGY.

Professor of Pathology and Bacteriology and Curator of the Museum and Laboratories: J. J. MACKENZIE.

Lecturer in Bacteriology: H. B. MAITLAND.

Demonstrator of Pathology and Assistant Curator of the Pathological Museum: W. L. ROBINSON.

Demonstrators of Pathology: G. W. LOUGHEED, R. R. GRAHAM, H. W. BAKER, I. H. ERB, A. B. LEMESURIER, MISS M. L. WESSELS.

Fellow in Pathology: MISS M. L. COWAN.

Assistant in Clinical Laboratory: D. H. BODDINGTON.

The courses of instruction are as follows:—

Second Year.

Students receive a course of lectures and practical laboratory exercises during the Easter Term in general Bacteriology, including media making, staining and cultivation of pathogenic micro-organisms, the practical isolation and identification of the most important bacteria pathogenic to man.

Third Year.

Lectures.—1. A course of lectures in General Pathology is given during the Michaelmas and Easter Terms.

Practical Work.—2. A laboratory course in Pathological Histology is. held three afternoons a week during both terms, illustrating general pathological conditions, including inflammations (acute and chronic) repair, tumours, etc.

3. A practical laboratory class in haematology and clinical microscopy.

Fourth Year.

Lectures.—1. A course of didactic lectures is delivered upon selected chapters of special pathology.

Practical Work.—2. A laboratory course in Pathological Histology takes place four afternoons a week during the Michaelmas Term. The work taken up in this class illustrates the special pathology of the organs. Alternating with this class are a series of Museum Demonstrations arranged to illustrate the course in Pathological Histology.

3. Throughout the Session autopsies are held at the three Hospitals which students are required to attend and take full notes. On the autopsies they have witnessed they are subsequently examined.

4. Once a week during the Easter Term a Clinical conference on autopsy material is held at the General Hospital.

Fifth Year.

1. The routine work for all students of the Fifth Year will consist of attendance and assistance at autopsies. Upon such cases as the students have studied in the wards full bacteriological and histological studies will be required.

2. A weekly conference in autopsy material will be held for the whole class.

3. Advanced classes will be held for students who have Honour standing, and for such other students whose work is of such a character as to permit them to do elective work.

An advanced laboratory class in surgical pathology may be arranged for similar students who can fulfil the same conditions.

Text-books:—

Pathology:—Adami, Pathology (General), vol. I.; (Special), vol. II.; Adami & McCrae, Text-book of Pathology; Delafield & Prudden, 11th ed.; MacCallum, A Text-book of Pathology; Mallory, Text-book of Pathological Histology; Pembrey & Ritchie, General Pathology.

Bacteriology:—Hiss and Zinsser; Muir and Ritchie; Park.

Clinical Methods:—Emmerson; Hutchison and Rainy; Sahli.

PATHOLOGICAL CHEMISTRY.

Acting Professor of Pathological Chemistry: A. HUNTER.

Lecturer in Pathological Chemistry: C. G. IMRIE.

Demonstrators of Pathological Chemistry: F. W. ROLPH, D. H. BODDINGTON.

Fellows: S. G. GRAHAM, MISS G. L. BOYD.

Third Year.

Practical Work.—Students receive practical instruction in the chemical methods employed in the examination of excreta, secretions, organs and body fluids, with special reference to the study and diagnosis of disease.

As occasion requires, the laboratory exercises are coordinated and supplemented by demonstrations and lectures.

The student will not be permitted to proceed to the University examination unless he has satisfactorily performed all the work of the class, and has paid for any apparatus he may have lost, damaged, or destroyed.

Fourth Year.

Lectures.—A course of lectures, extending throughout the year, is given on general disorders of the chemical processes of the body.

Practical Work.—One laboratory period per week for one trimester is devoted to a review and extension of the work of the third year.

Clinical Laboratory.—To each student of the Fourth and Fifth years

there is assigned, in the Department of Pathological Chemistry, a locker with apparatus and reagents, which he is expected to utilize in the conduct of all chemical examinations necessary to the proper study of the cases under his charge. For the guidance of the Fourth Year student in such work an instructor is in regular attendance at a special hour each day. Reports of each student's work are preserved, and are considered in determining his standing at the end of the year.

Fifth Year.

In addition to the routine clinical laboratory work, an advanced laboratory course is offered for students whose record is such as to permit them to do elective work. At the end of the Fifth year the student is required in surrendering his locker, to make good all loss of apparatus by breakage or otherwise. Until he has done so, he will not be permitted to sit for the final examinations.

Text-books:—Hawk's Practical Physiological Chemistry together with the standard works on Physiology and Pathology, and Krehl's Clinical Pathology, trans. by Hewlett (Lippincott & Co.).

Reference Books:—Oppenheimer, Handbuch der Biochemie; Von Noorden, Metabolism and Practical Medicine (trans. by Walker Hall) 3 vols.; Neubauer and Huppert, Analyse des Harns; Schmidt and Strasburger, Die Fazes des Menschen; Von Fürth (trans. Smith), Physiological and Pathological Chemistry of Metabolism; Wells, Chemical Pathology; Neuberg, Der Harn.

PSYCHIATRY.

Professor of Psychiatry: C. K. Clarke.
Extra-Mural Professor of Psychiatry: N. H. Beemer.
Associate of Psychiatry: J. M. Forster.
Special Lecturer in Psychology: C. M. Hincks.
Demonstrator: Harvey Clare.

Fourth Year.

Lectures.—A series of didactic lectures is given, outlining some of the more important psychoses.

Fifth Year.

Clinical Work.—A clinical course will be given. The student will be afforded opportunity to obtain a practical knowledge of psychiatry, and to study the laboratory and clinical methods employed in the diagnosis and treatment of various forms of insanity.

Text-books:—Clinical Psychiatry, Diefendorf; Psychiatric Neurological Examination Methods, by Wimmer Hoisholt; Mental Diseases, by Walter Von Gulick; Dementia Praecox and Paraphrenia, by Emil Kraepelin.

MEDICAL JURISPRUDENCE.

Professor: N. A. POWELL.

Fourth Year.

Lectures.—About eighteen lectures and class-room demonstrations will be given. These will be illustrated as required by lantern slides and by specimens from the Pathological Museum or from private collections.

The lecture course will embrace *inter alia* a discussion of:—Legal Criminal procedures and the relation of Medical men thereto. Medical evidence, documentary and oral, ordinary and expert. Personal identity of the living and of the dead. Thanatology: The reality of death; *post mortem* changes, autopsies and reports. Causes producing deaths by violence such as the various forms of asphyxia, heat, cold, electricity, etc. Wounds in their medico-legal relations. Blood stains and the examination of blood. Medico-legal aspects of the sexual functions, impotency, sterility and legitimacy. Pregnancy, abortion and infanticide. Rape and allied offences against chastity. Civil and criminal malpractice.

Text-books:—Glaister, Reese, Emerson, Draper; Buchanan's Text-book of Forensic Medicine and Toxicology.

Reference Text-books:—Taylor's Principles; Whitthaus and Becker; Peterson and Haines; Dixon Mann; Cattell's *Post Mortem Pathology*; Greene's Life Insurance; Atkinson's Law in Medical Practice; Cathell's The Physician Himself; Brother's Medical Jurisprudence; Wadsworth's Post Mortem Examinations.

HYGIENE.

Professor: J. G. FITZGERALD.

Lecturer: R. D. DEFRIES.

Lecturer in Industrial Hygiene: J. G. CUNNINGHAM.

Demonstrator, Sanitary Chemistry: H. M. LANCASTER.

The Department of Hygiene provides a course of lectures dealing with the problems of Preventive Medicine, Hygiene and Sanitation, for students in the Fourth Year in the Faculty of Medicine.

Lecture courses are provided also in Hygiene and Sanitation for students in the Faculties of Applied Science, Household Science, and the Department of Social Service.

Laboratory and didactic courses of instruction are given to students in the Faculty of Applied Science who have elected the Sanitary and Highways option. In addition a series of lectures on Hygiene and Sanitation is delivered during the Winter Term to the Pupil Nurses of the Toronto

Chapter of the Canadian Association of Nursing Education.

The course of instruction for graduates in Medicine leading to the Diploma in Public Health which was discontinued during the war, has been resumed. Details of the curriculum leading to the Diploma in Public Health will be found on page 51.

Facilities for research in Preventive Medicine, Hygiene and Public Health (Immunity, Serology and Bacteriology) are provided in the Research Division of the Connaught Antitoxin Laboratories, for graduates in Medicine and other suitably qualified candidates desirous of prosecuting such studies.

Text-books:—Rosenau, Preventive Medicine and Hygiene; Overton & Denno, The Health Officer; Prescott and Winslow, Elements of Water Bacteriology; American Public Health Association, Standard Methods of Water Analysis; Egbert, Hygiene and Sanitation.

Reference Text-books:—Kolmer, Infection, Immunity and Specific Therapy; Ledingham and Arkwright, The Carrier Problem in Infectious Diseases; Whipple, Microscopy of Drinking Water; Chandler, Parasitology and Human Disease.

CONNAUGHT ANTITOXIN LABORATORIES.

Director: J. G. Fitzgerald.

Associate Director: R. D. Defries.

Research Associates: A. H. Caulfield, W. R. Hodge, D. T. Fraser, H. C. Cruikshank.

Research Chemist: P. J. Moloney.

The Connaught Antitoxin Laboratories, consisting of Research and Antitoxin Divisions, have a scope somewhat similar to that of the Lister Institute, London; The Pasteur Institute, Paris; and the Rockefeller Institute, New York, in the field of Preventive Medicine, Bacteriology, Serology, and Immunity. Primarily established for research in the field of Preventive Medicine, these Laboratories are also engaged in the production and distribution of Public Health Biological Products. The distribution of diphtheria antitoxin was commenced in April, 1914, and since that date the production of other sera and vaccines has been undertaken and the distribution extended throughout Canada and Newfoundland, and recently to New Zealand.

The products distributed include:—diphtheria antitoxin, tetanus antitoxin, anti-meningitis serum, smallpox vaccine, anti-pneumococcus serum, typhoid vaccine, and rabies vaccine.

Since February 1st, 1916, the Provincial Board of Health of Ontario has distributed, free of charge in Ontario, all of the above named products. The Secretaries of Local Boards of Health need only make application

to the Chief Officer of Health, Parliament Buildings, Toronto, and supplies are at once forwarded. Physicians and Hospitals are supplied by the Secretary of their Local Board of Health.

Similarly in September, 1917, the Bureau of Public Health, Saskatchewan, began free distribution of diphtheria antitoxin in that Province. (The antitoxin so supplied is prepared by these laboratories.)

The Department of Militia and Defence was supplied with tetanus antitoxin and other biological products used by the Canadian Expeditionary Force Overseas and in training in Canada.

In October, 1917, a farm of over fifty acres and completely equipped laboratories and stables were presented to the University by Colonel Albert Gooderham. These laboratories were given to provide facilities for research in Preventive Medicine, especially along the lines of serum therapy, and also to provide for the production of serums and vaccines. In connection with these laboratories there has been established the Connaught Laboratories Research Fund, the interest on which is to be utilized for the support of research work in Preventive Medicine.

OBSTETRICS AND GYNAECOLOGY.

Professor of Obstetrics and Gynaecology: B. P. WATSON.

Associate Professor of Obstetrics: K. C. MCILWRAITH.

Associate Professor of Gynaecology: F. W. MARLOW.

Associate Professor of Obstetrics and Gynaecology: W. B. HENDRY.

Associate in Obstetrics: J. A. KINNEAR.

Demonstrators in Obstetrics and Gynaecology: J. G. GALLIE, W. A. SCOTT R. W. WESLEY, N. D. FRAWLEY, W. W. LAILEY.

Fourth Year.

Lectures.—Obstetrics:—A course of lectures illustrated by diagrams, lantern slides and models will be given. A syllabus indicating the scope of the work is provided. Stated generally, the course consists of two parts. The first part deals with the anatomy and physiology of the female organs of reproduction; the anatomy, physiology and management of normal pregnancy, labour and the puerperium, and the care of the infant. The second part is concerned with abnormal conditions arising during pregnancy, labour, and the puerperium, and with maladies of the infant.

Practical demonstrations on anatomy, the mechanism of labour, the use of obstetrical instruments, etc., will be given to small sections of students.

Gynaecology:—A course of lectures illustrated by pathological specimens, diagrams and lantern slides will be given. A syllabus is provided. The lesions of each organ are considered in detail and the methods of gynaecological diagnosis and treatment indicated.

Clinical Work.—Obstetrics:—The student attends clinics at the Toronto General Hospital or at St. Michael's Hospital. At these clinics practical instruction is given in the examination of patients, the diagnosis of pregnancy, the management of labour and the puerperium and the care of the infant.

Gynaecology:—Clinical instruction is given at the Toronto General Hospital, and the Western Hospital, in the method of case taking, the examination of patients, the use of instruments, and in the conduct of operations.

Pathological Demonstrations:—The naked eye and microscopic pathology of the common obstetrical and gynaecological lesions will be demonstrated in the museum.

Fifth Year.

Obstetrics.—The student attends the Obstetrical Hospital for a period of five weeks during which time he is given an opportunity of seeing all the work of the hospital, and of assisting in the management and treatment of cases. He is also required to attend patients in their own homes and to perform other duties in connection with the Out-Patient Service. Clinical lectures are given once a week on interesting and abnormal cases.

Gynaecology.—Clinical instruction in the examination and diagnosis of gynaecological cases is given to small sections of students. Each student is required to act as clinical clerk to the cases assigned him, to be present at any operations required, and to follow the after-treatment. Operations will be performed on stated days and at these the members of the clinic may be present.

Pathological Demonstrations:—A series of demonstrations in continuity with those held during the fourth year will be given in the museum.

Text-books:—

Obstetrics:—Eden; Berry Hart; Hirst; Edgar; Whitridge Williams; Jellett; Galabin; De Lee.

Gynaecology:—Barbour & Watson; Dudley; Gilliam; Crossen; Penrose; Eden & Lockyer; Hart & Barbour; Ashton; Montgomery.

Reference Text-books:—

Obstetrics:—Bumm; Winckel; Munro Kerr, Operative Obstetrics; Davis, Operative Obstetrics; Lea, Puerperal Infection; Ballantyne, Antenatal Pathology.

Gynaecology.—Kelly, Operative Gynaecology; Berkeley & Bonney, Gynaecological Surgery; Winter & Ruge, Gynaecological Pathology, translated by Clark; Cullen, Cancer of the Uterus.

OPHTHALMOLOGY

Professors: J. M. MACCALLUM, G. H. BURNHAM.

Demonstrators: COLIN CAMPBELL, D. N. MACLENNAN, W. H. LOWRY, M. LYON, W. W. WRIGHT, F. A. AYLESWORTH.

Fourth Year.

Ophthalmology:

Instruction will be given by quizzes, recitations or lectures. The class will be divided into small sections. In each section the applied anatomy of the eye, orbit and surrounding structures will be considered, followed by instruction in the use of the ophthalmoscope, retinoscope and other instruments of diagnosis. The methods of external examination of the eye, the use of the test type, test lenses and the principles of refraction will be thoroughly dealt with.

Fifth Year.

Instruction will be wholly clinical and practical, and will include Ophthalmoscopy and its relations to general medicine, advanced refraction. Each student will be required to determine the refraction of patients in the Out-Patient Clinic and must, for this purpose, supply himself with an ophthalmoscope and a retinoscope. When possible the students will be shown the more usual operations on the eye.

There will be a short course of didactic lectures.

Ophthalmology:—

Text-books:—J. Edward Jackson; May; Mayou; Nettleship; Parker; Parsons; Swanzy; Veasey; Wood & Woodruff; Sym; Marshall.

Works of Reference:—de Schweinitz; Weeks; Fuchs; Posey & Wright; Theobald; Ball.

OTO-LARYNGOLOGY.

Professor: D. J. GIBB WISHART.

Assistant Professors: GILBERT ROYCE, P. G. GOLDSMITH.

Sen. Demonstrator: GEORGE M. BIGGS.

Clinicians: EDMUND BOYD, J. C. CALHOUN, C. W. L. CLARK, ANGUS CAMBPBELL, W. G. MACKECHNIE, J. SPROULE-MANSON.

Pathologist: J. K. MILNE DICKIE.

Assistants: S. L. ALEXANDER, A. A. HAILADAY.

The course of instruction in oto-laryngology is carried on in the Toronto General Hospital, where the facilities placed at the disposal of the students are unusually complete. There is an indoor service of twenty beds, and in the outdoor, in addition to the large clinic, where the fifth year students

receive instruction, there is a room set aside for the fourth year classes, with eight cubicles for examination purposes.

This course is carried on during both the fourth and fifth years of the curriculum.

Fourth Year.

In the fourth year the students will receive instruction in:

(1) The normal anatomy of the ear, nose and throat.

(2) The methods of using the head mirror and the various instruments required in examining the ear, nose and throat.

(3) The ordinary tests for hearing.

(4) The recognition of the ear, nose and throat, in their normal conditions, as exemplified by clinical material.

At the close of the session a clinical examination will be held.

Fifth Year.

In the fifth year the students will be divided into small groups for the purpose of studying the commoner pathological conditions affecting the various organs, and as much clinical material as possible will be utilized for the purposes of personal observation.

A series of lectures will be delivered upon the various diseases of the ear, nose and throat, ordinarily met with by the general practitioner.

At the final (fifth year) examination the test will be clinical.

Text-books:—Porter, Diseases of the Throat, Nose and Ear, 3rd ed.; Lake, Diseases of the Ear; Parker, Throat and Nose; Gray, Ear; Coolidge, Diseases of the Nose and Throat.

For Reference:—St. Clair Thompson, Throat and Nose; Lambert Lack, Throat and Nose; Watson Williams, Throat and Nose; Phillips, Throat, Nose and Ear.

LECTURES IN DENTISTRY.

The Faculty have arranged for a course of lectures to be delivered during the Session, on the application of Dentistry to Medicine. The instruction will be given by a man properly qualified for the purpose and will be delivered to the students of the final year. The course will be obligatory.

THE MEDICAL BUILDING.

The Medical Building is situated between the University Library and the anatomical wing of the Biological Department.

It is three storeys in height in front, with an additional storey and sub-basement in the wings, which extend eastward. Two large lecture rooms are provided which flank the main building; the larger has accommodation for about three hundred and fifty students; the smaller for about two hundred students.

In the south wing, in what may be called the basement storey, are situated lavatories, recreation rooms and reading rooms for the students; in the same storey in the north wing is placed the Antitoxin laboratories.

The three main floors of the building are arranged upon what has been called the unit-system, a unit-room being thirty feet long by twenty-three feet deep, lighted on its long face by large windows.

These rooms may be united so as to form large laboratories or may be cut in two where it is necessary to have smaller rooms.

The south wing and the main portion of the building are occupied by the Department of Physiology and Biochemistry whilst the north wing accommodates the final departments of Medicine.

On the ground floor in the main portion are situated in front the Secretary's office, a large faculty room, a lavatory, and a library.

In the north wing in this floor are placed a chart and preparation room behind the lecture theatre, and on the third floor units are occupied by the Department of Pharmacology.

An interesting feature of the building is the provision which is made for research students by the presence of a series of small rooms in front of the south lecture room, each large enough to accommodate one or two workers.

As will be seen from the above description, a series of laboratories and lecture theatres is provided on the University grounds where the most ample facilities are afforded for both the practical and didactic instruction of students.

As heretofore, lectures and demonstrations will be given in the east wing of the Biological building in Biology and in the west wing in Anatomy; in the Chemical Laboratories in Chemistry and in the Physics building in Physics. It is impossible to provide more complete and efficient accommodation for the teaching of scientific medicine than that which exists in the University of Toronto to-day.

THE LIBRARY.

The University Library is contained in a building of its own, situated on the east side of the campus that lies to the south of the Main Buildings. All students are entitled to the privileges of the Library. Besides Reading Rooms the building contains Departmental Studies, which may be used

as study-rooms by honour students in the various branches and in which the Professors hold seminary courses. The Library is opened at 8.45 every morning and remains open until 5.15 in the afrernoon (6 p.m. during the second term). Books may not be taken out of the building during the daytime, but are lent for the night shortly before the hour of closing, to be returned the following morning before 10 o'clock. Books not in general demand, may on special application, be borrowed for a longer period. Failure to return borrowed book at the proper time and other breaches of the regulations are punishable by fine or suspension from the privileges of the Library.

THE PATHOLOGICAL BUILDING.

This building is situated on University Avenue and connected by a covered corridor with the Out-patient Department and so with the rest of the Toronto General Hospital. On the basement, or ground floor, are the Pathological Museum, lecture room and autopsy room as well as students' coat room and lavatories. On the first floor are rooms for the Hospital Pathologist and the routine Hospital pathology and class rooms for pathological histology and bacteriology. On the second floor the Professor of Pathology and Lecturer in Bacteriology have their private laboratories, and there are rooms for the Departmental Library and special classes in Pathology, in addition to a set of laboratories for pathological chemistry for the use of students in the Fourth and Fifth Years. On the third floor are the class rooms for systematic instruction in pathological chemistry and the laboratories for the staff in this Department, including balance, polari-meter, combustion and experimental rooms. Above this in the roof is the accommodation for animals.

Connected with the autopsy room is a cold storage plant with accommodation for twelve cadavers, and by means of a brine circulation, refrigerators in the staff laboratories on the first, second and third floors are kept cold. For many of the laboratories too there is a compressed air service.

The lecture room has seats for about 150 students and is connected with a room for preparing experimental demonstrations.

The museum is planned especially for the instruction of students: a small catalogue room and a preparation room are connected with it.

The class rooms are divided into small units and are exceptionally well lighted.

Lockers are provided for more than 300 students in the laboratories for pathological chemistry so that every student working in the Hospital may have his own place and apparatus.

The building is of fire-proof construction throughout.

ROYAL ONTARIO MUSEUM.

Archaeology, Geology, Mineralogy, Palaeontology, Zoology.

Students of the University in all departments are recommended to avail themselves of the privileges of the Museum, which, although under separate control, is intimately connected with the work of the University.

The Museum is open on all week days from 10 a.m. to 5 p.m. The admission is free to the public on Tuesday, Thursday and Saturday. On other days an admission fee of fifteen cents is charged.

By a resolution of the Board of Trustees all regular students of the University may be admitted free on all days of the week by presenting their card of registration.

TORONTO GENERAL HOSPITAL.

The Hospital has more than seven hundred beds, and during the last year admitted to its wards 11,849 patients.

The Out-door Department, which has been elaborately equipped with especial attention to the requirements of teaching as well as treatment, is designed to receive and care for several hundred patients each day, if necessity demands. Last year 48,855 out-patients were treated.

The Hospital is for the treatment of acute medical and surgical diseases, and the members of the staff are, in nearly every instance, drawn from the University Medical Faculty.

The Hospital Block contains ten acres, and the group of buildings includes almost everything necessary to enable a student to acquire a practical knowledge of the profession of Medicine.

On the south-west corner is situated the large Pathological Building, which is also an integral part of the Hospital. In it are found the Pathological, Clinical and Chemico-Pathological Laboratories, as well as the Autopsy Room, Museums, etc. The Pathological Building is regarded as one of the most complete in America. There were 182 autopsies during the year.

North of the Pathological Unit is found the Out-Patients' Department already referred to; then follows the Emergency Hospital, fully equipped with every modern device necessary for the immediate care and treatment of emergency patients. In this building arrangements have been made for the teaching and demonstration of practical methods in minor surgery.

The Medical Wing, the Administrative Building and Surgical Wing face College Street. These groups embody every modern requirement in hospital equipment, and special facilities for the student are provided—such as lecture room, cloak room, etc.

Twelve Operating Rooms are to be found in the different Surgical sections. South of the Surgical Wing is located the Obstetrical Hospital with eighty beds. The number of births in this Department last year was 1,089.

The X-Ray Department is one of the most complete on the continent, and averages more than one hundred patients a day sent in for examination. Complete courses are given to the students, so that they can qualify themselves in X-ray work. A well equipped Hydro-Therapeutic Department exists in connection with the X-Ray Department.

HOSPITAL FOR SICK CHILDREN.

This large Hospital, with 250 beds, is entirely devoted to diseases in children, there having been 5,065 cases treated during the last year. In the Out-patient Department, 36,697 patients were attended. The old building has been remodelled and a large new wing has been built on the west side of the present building. These alterations and additions include new operating theatres, out-patient department, pathological laboratories and wards for infectious cases.

ST. MICHAEL'S HOSPITAL.

This institution is conducted as a General Hospital, where medical, surgical and obstetrical cases are admitted. The number of patients admitted last year was 5,488 while 23,684 cases were treated in the out-patient department. There were 424 births in the Obstetrical Department. The accommodation has been enlarged by the addition of a new wing, so that there are now 400 beds. An operating theatre has been provided constructed with all the necessary modern equipment for the practice of antiseptic surgery.

TORONTO WESTERN HOSPITAL.

This is a modern institution affording excellent opportunities for clinical study. During the past year 5,314 patients were admitted, making a daily average of 198. There is an out-door service where dental, tubercular, surgical, medical, gynaecological and special clinics are held; the number of patients treated in the Out-patient Department last year was 10,173.

Two large operating theatres are provided and the operations performed last year numbered 2,449. There is also an Obstetrical Department.

There are four public wards specially adapted for clinical teaching each containing thirty beds; two of these wards are devoted to medical and two to surgical cases.

Resident Assistants in the Hospitals.

A number of resident assistants are appointed annually from the graduates in medicine of Universities, and hold their positions for one or two years.

They will have full opportunities for acquiring experience in the general and special wards of the Hospitals, and during the session they will have charge under the physicians and surgeons in the wards.

GENERAL INFORMATION FOR STUDENTS.

PHYSICAL TRAINING.

By order of the Board of Governors each male student proceeding to a degree must take Physical Training in the First and Second Years of his attendance. He must first undergo a medical examination by the Physical Director of the University to determine the character of his training.

DISCIPLINE.

The Council of University College and the governing bodies of the federated universities and colleges, respectively, have disciplinary jurisdiction over and entire responsibility for the conduct of their students in respect of all matters arising or occurring in or upon their respective college buildings and grounds, including residences.

The councils of such of the faculties as have assigned for their separate use any building or buildings and grounds, including residences, have disciplinary jurisdiction over and entire responsibility for the conduct of all students in their respective faculties in respect of all matters arising or occurring in or upon such building or buildings and grounds.

In all such cases, and, save as aforesaid, as respects all students to whatsoever college or faculty they may belong, disciplinary jurisdiction is vested in the Caput, but the Caput may delegate its authority in any particular case or by any general regulation to the council or other governing body of the university or college or faculty to which the student belongs.

If there be any question as to the proper body to exercise jurisdiction in any matter of discipline which may arise, the same shall be determined by the Caput, whose decision shall be final.

Disciplinary jurisdiction includes the power to impose fines.

REGULATIONS RELATING TO STUDENTS.

1. No student will be registered in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Faculty Council or Caput to be prejudicial to the interests of the University. Registration in any year does not entitle a student to registration in a subsequent year.

2. Students are required to attend the course of instruction and the examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the University who persistently neglects academic work.

3. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will render himself liable to expulsion from the University.

4. A student who is under suspension, or who has been expelled from a College or the University, will not be admitted to the University buildings or grounds.

5. The constitution of every University society or association of students and all amendments to any such constitution must be submitted for approval to the Caput. All programmes of such societies or associations must, before publication, receive the sanction of the Caput. Permission to invite any person not a member of the Faculty of the University to preside at or address a meeting of any society or association must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

6. The name of the University is not to be used in connection with a publication of any kind without permission of the Caput.

THE UNIVERSITY OF TORONTO MEDICAL SOCIETY.

This Society consists of the graduates and undergraduates enrolled in the Faculty of Medicine of the University of Toronto. It is under the patronage of the members of the Faculty of Medicine and its object is to deal with all matters pertaining to the general interest and welfare of the students, especially:—

(*a*) To encourage interest in general medical science and literature, and in pursuit of medical studies.

(*b*) To provide a supply of daily newspapers, periodicals, magazines and music for the reading rooms; also telephones for the convenience of students

(*c*) To be a means of communication between the Student body and the Faculty or others, when such communication is desirable.

(*d*) To provide a series of entertainments for students at intervals during the Session.

(*e*) Each student will be required to pay the annual fee of two dollars to the Treasurer of the Society, to be divided as follows:—

Medical Society Fee	$1.00
Athletic Fee	.25
Class Fee	.75

HART HOUSE.

Hart House, the gift of the Massey Foundation, is the new Undergraduates' Union of the University of Toronto.

Hart House contains completely equipped club rooms, including common rooms, reading room, music room, lecture room, sketch room, Camera Club rooms, the Great Hall, used as a Dining Hall, a small chapel, the offices and class rooms of the Y.M.C.A., Gymnasia and swimming pool billiard room and the Hart House theatre.

All male students proceeding to a degree in the University are members of Hart House. The annual fee of $10, imposed by the University covers the fee of the Students' Administrative Council, all club fees in connection with Hart House and membership in the Athletic Association, including medical examination.

Other male students in the University, or students in the affiliated or federated institutions receiving instruction in the University, may become members of Hart House on payment of the required fee.

Graduates are entitled to the full privileges of Hart House on payment of an annual fee of $10.00.

A group of rooms is set apart for the use of the Faculty Union. There is also a common room for the use of graduates.

The theatre is under the management of the Players' Club of the University of Toronto, and is available for productions by any of the Dramatic Clubs within the University.

For further information, apply to the Warden of Hart House.

RESIDENCE FOR MEN.

By the generosity of Mr. and Mrs. E. C. Whitney and other friends, the University can now offer to some hundred and fifty men the peculiar advantages of residential life and excellent accommodation within its own grounds. The Residence, opened in November, 1908, consists of three Houses situated on the north side of Hoskin Avenue, opening upon a quadrangle the fourth side of which is formed by Devonshire Place. They stand about two hundred yards to the north of University College and close to Hart House, to which is attached the University Dining Hall. The buildings are known as the South, East and North Houses.

Each house contains twenty-four single rooms, one single suite, one double room and eleven suites, a suite comprising a study and two bedrooms. A large room in each building, with an open hearth and a library has been set aside as a common room. A lavatory with hot and cold shower baths is provided for every eight men. The buildings are heated by steam and lighted by electricity.

The University supplies the table, chairs, book-case, chiffonier, bed, mattress, pillows, linen and window shades for each room; it is prepared to furnish a drop-light for a nominal rent.

Each occupant is charged $3.00 room-rent per week, payable to the Bursar four weeks in advance. The charge for each single suite is $4.00 per week. These charges cover heat, light, house-service, house-laundry, and the use of the telephone. There is no separate dining hall connected with the Residence, but board may be obtained at the adjacent University Dining Hall.

Applications for rooms must be made in writing to the Secretary of the Residence Committee (address the Registrar's Office) and must be accompanied by a deposit of $5.00. This deposit will be returned if the application be not granted, but will be forfeited if a room be assigned to the applicant and not taken by him, unless notice of his refusal of the room be received by the Secretary in writing before September 22nd. It will be returned in full at the end of the College year if the room key be given back and the room and furniture left in a satisfactory condition. The following principles govern the allotment of rooms: (i) No student who, as a result of the annual Spring examinations, is not assured of being able to proceed to a subsequent year, will be admitted into the Residence. Exception to this rule will be made in the case of a student in the Faculty of Medicine who has obtained standing at the May examination, but is debarred by the rules of that Faculty from proceeding to the subsequent year until he has passed his Supplemental examinations. Such a student will be assigned a room provisionally, but cannot occupy it unless he passes his Supplemental examinations in September. (ii) The rooms in each House will be distributed between the various Faculties and Years. (iii) A limited number of rooms will be reserved for members of the incoming First Year until September 18th. (iv) Applications will be considered in order of priority.

The University lays down three general rules, designed to prevent hazing, the use of intoxicants and gambling. The students in each House shall elect a House Committee, which is entrusted by the University with the making and enforcing of any other needed rules and with the maintenance of order. A member of the Faculty resides in each House to act as friend and adviser to the men in residence.

ARGYLL HOUSE.
100 Queen's Park.

Accommodation for thirty women students is afforded by Argyll House. Applications should be made to the Secretary of the Argyll House Committee, 85 St. George Street, Toronto, from whom terms of residence may be obtained.

UNIVERSITY OF TORONTO YOUNG MEN'S CHRISTIAN ASSOCIATION.

The aim of this organization is to be of service to the undergraduates. At the commencement of the fall term it conducts at the new University Y.M.C.A. offices in Hart House a general information bureau where lists of inspected boarding houses are kept. Handbooks containing information that is of interest and importance to every student are presented to the men by the Association. The dose tables, prescriptions and chemical tests which are included in the Medical edition of this handbook make it of permanent value to every student in Medicine. The Association also endeavours to assist the men of the first year to become acquainted with each other and with men outside their own class by arranging a reception for them early in the year. For those students who find it difficult to meet all the expenses of a college course an employment bureau was opened last year, by means of which employment was provided for the spare hours of a few deserving students.

On Sunday mornings, for a greater part of the academic year, the Colleges' Sermon Series is conducted in the University Convocation Hall. The preachers at these services are among the strongest speakers to students in Canada and the United States.

The Bible Study Department of the Association has proven most interesting and helpful to the students. The method adopted for this study is the group system which means that the men who are following the work meet in groups of from six to eight in number at a time and place convenient to the members of the individual group. Each group is led—not taught—by a fellow student. As a result of the freedom of discussion which this method assures, and of the systematic nature of the study, great interest is aroused in the things which really count in life.

From time to time open meetings are held by the Medical Y.M.C.A., where addresses are given and discussions conducted on topics of medical ethics, and particularly on problems and claims of medical work in foreign countries.

ALPHA OMEGA ALPHA HONOUR MEDICAL SOCIETY.

A chapter of the Alpha Omega Alpha has been in existence in the University of Toronto since 1906. This society, which has chapters in all the principal Medical Schools of Canada and the United States, is a student organization founded for the furtherance of Medical Research. Entrance to it is dependent entirely upon standing at examinations. Its activities consist in a series of bi-weekly meetings held during the winter session, for which papers are prepared and read by the student members.

REGULATIONS FOR LICENCE TO PRACTISE.

For official information of all matters relative to the regulations for licence to practise in the various Provinces in the Dominion, students should communicate with the Registrar. The following is a list of the names and addresses of the Registrars of the Medical Councils:

For official information regarding the Medical Council of Canada address: Dr. R. W. Powell, 180 Cooper Street, Ottawa, Canada.

Ontario—Dr. H. W. Aikins, 170 University Ave., Toronto.
Quebec—Dr. J. Gauvreau, 30 St. James Street, Montreal, and Dr. C. R. Paquin, Quebec, P.Q.
New Brunswick—Dr. John S. Bentley, St. John.
Nova Scotia—Dr. W. H. Hattie, Halifax, N.S.
Prince Edward Island—Dr. S. R. Jenkins, Charlottetown.
Newfoundland—Dr. H. Rendell, St. John's, Newfoundland.
Manitoba—Dr. J. S. Gray, 358 Hargrave Street, Winnipeg, or W. J. Spence, Registrar University of Manitoba, Winnipeg.
Alberta—Dr. G. Macdonald, Calgary, Alta.
Saskatchewan—Dr. G. A. Charlton, Regina.
British Columbia—Dr. A. P. Proctor, Victoria, B.C.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN.

Deans.

W. T. Aikins, 1887-1893.
U. Ogden, 1893-1896.
R. A. Reeve, 1896-1908.
C. K. Clarke, 1908-

Secretaries.

Adam Wright, 1887-1893.
James Brebner, 1893-1894.
A. Primrose, 1894-1918.
E. Stanley Ryerson, 1918.

Assistant Secretaries.

J. J. Mcakenzie, 1900-1908.
E. Stanley Ryerson, 1908-1918.

Medicine and Clinical Medicine.

Professors of Medicine.

H. H. Wright, 1887-1892.
J. E. Graham, 1887-1900.
A. McPhedran, 1900-1919.
D. A. L. Graham, 1919-

Professors of Clinical Medicine.

A. McPhedran, 1900-1919.
J. L. Davison, 1903-1909.

Associate Professors of Medicine and Clinical Medicine.

A. McPhedran, 1892-1900
J. T. Fotheringham, 1903-1919.
R. D. Rudolf, 1903-1908.
W. Goldie, 1919.

Associate Professors of Clinical Medicine.

W. P. Caven, 1896-1913.
W. B. Thistle, 1900-1919.
A. M. Baines, 1903-1919.
A. R. Gordon, 1903-1916.
R. J. Dwyer, 1903-1920.
H. B. Anderson, 1903-1919.
Graham Chambers, 1908-1919.
John Ferguson, 1913-1919.
William Goldie, 1913-

Associate Professors of Paediatrics.

A. M. Baines, 1903-1919.
A. Brown, 1919-
H. T. Machell, 1903-1919.

Surgery and Clinical Surgery.

Professor of Surgery.

W. T. Aikins, 1887-1897.

Professors of Surgery and Clinical Surgery.

I. H. Cameron, 1897-
F. LeM. Grasett, 1903-1909.
G. A. Peters, 1903-1907.
L. Teskey, 1903-1909.

Associate Professor of Surgery and Clinical Surgery.

G. A. Peters, 1892-1903.

Professor of Surgery and Surgical Pathology.

I. H. Cameron, 1887-1892.

Associate Professor of Clinical Surgery and Clinical Anatomy.

G. A. Bingham, 1903-

Professors of Clinical Surgery.

L. McFarlane, 1887-1896.
A. Primrose, 1918.
I. H. Cameron, 1892-1896.

Associate Professors of Clinical Surgery.

A. Primrose, 1897-1918.
B. Spencer, 1897-1903.
L. M. Sweetnam, 1897-1902.
H. A. Bruce, 1897-
W. Oldright, 1899-1910.
F. N. G. Starr, 1900-
C. L. Starr, 1903-
(In charge of Orthopaedics).
P. W. H. McKeown, 1908-
S. M. Hay, 1913-

Obstetrics.

Professor.

A. H. Wright, 1887-1912.

Associate Professors.

H. T. Machell, 1900-1919.
F. Fenton, 1913.
K. C. McIlwraith, 1910-

Gynaecology.

Professors.

Uzziel Ogden, 1887-1903.
James F. W. Ross, 1903-1911.

Associate Professors.

James F. W. Ross, 1897-1903.
A. A. Macdonald, 1913-1919.
F. A. Marlow, 1913-

Professor of Operative Obstetrics and Gynaecology.

J. A. Temple, 1903-1909.

Obstetrics and Gynaecology.

Professor.

B. P. Watson, 1912-

Associate Professor.

W. B. Hendry, 1919-

Anatomy.

Professors.

J. H. Richardson, 1887-1896.
A. Primrose, 1896-1907.
J. Playfair McMurrich, 1907-

Associate Professors.

M. H. Aikins, 1887-1892.
A. Primrose, 1892-1896.
H. W. Aikins, 1896-1914.

Chemistry.

Professors.

W. H. Pike, 1888-1900.
W. H. Ellis, 1887-
W. R. Lang, 1900-
W. L. Miller, 1907.
F. B. Allan, 1919.
F. B. Kenrick, 1919.

Associate Professors.

W. L. Miller, 1901-1907.
F. B. Allan, 1907-1919.
F. B. Kenrick, 1910-1919.

Associate Professor of Medical Chemistry.

W. T. Stuart, 1903-1910.

Biology and Physiology.

Professor.

R. Ramsay Wright, 1887-1892.

Biology.

Professor.

R. Ramsay Wright, 1892-1912.

Professor of Zoology.

B. A. Bensley, 1914-

Associate Professors.

B. A. Bensley, 1906-1914. W. H. Piersol, 1910-

Assistant Professor.

E. M. Walker, 1913-

Physiology.

Professors.

A. B. Macallum, 1890-1904. T. G. Brodie, 1909-1916.
J. J. R. McLeod, 1918.

Professor of Physiology and Physiological Chemistry.

A. B. Macallum, 1904-1909.

Assistant Professor.

A. C. Redfield, 1919.

Biochemistry.

Professors.

A. B. Macallum, 1909-1917. T. Brailsford Robertson, 1918.
A. Hunter, 1919.

Assistant Professor.

H. Wasteneys, 1918-

Materia Medica and Therapeutics.

Professors.

James Thorburn, M.D., Edin., 1887-1892.
James M. MacCallum, 1892-1908.

Associate Professor.

C. F. Heebner, 1900-1903.

Pharmacy and Pharmacology.

Professor.

V. E. Henderson, 1919.

Associate Professor

V. E. Henderson, 1909-1919

Therapeutics.

Professor.

R. D. Rudolf, 1908-

Ophthalmology, Otology, Laryngology and Rhinology.

Professor.

R. A. Reeve, 1887-1903.

Ophthalmology and Otology.

Professors.

R. A. Reeve, 1903-1914.
G. S. Ryerson, 1903-1918.
G. H. Burnham, 1903-
J. M. MacCallum, 1914-

Associate Professors.

G. H. Burnham, 1896-1903.
Chas. Trow, 1905-1911.
J. M. MacCallum, 1909-1914.

Oto-Laryngology.

Professors.

G. R. McDonagh, 1903-1914.
D. J. Gibb Wishart, 1914-

Associate Professors.

G. R. McDonagh, 1896-1903.
Geoffrey Boyd, 1913-1918.
D. J. Gibb Wishart, 1903-1914.
G. Royce, 1919-
P. G. Goldsmith, 1919-

Hygiene and Sanitary Science.

Professors.

Wm. Oldright, 1887-1910.
J. A. Amyot, 1910-1919.
J. G. Fitzgerald, 1919.

Hygiene and Preventive Medicine.

Professor.

J. G. Fitzgerald, 1919.

Toxicology.

Professor.

W. H. Ellis, 1900-1913.

Associate Professor.

W. H. Ellis, 1897-1900.

Medical Jurisprudence.

Professors.

W. W. Ogden, 1887-1892.
Bertram Spencer, 1900-1903.
N. A. Powell, 1903-

Associate Professor.

Bertram Spencer, 1896-1900.

Medical Psychology.

Extra-mural Professors.

Daniel Clark, 1887-1903.
J. C. Mitchell, 1903-1906.
N. H. Beemer, 1900-

Professor.

C. K. Clarke, 1906-

Associate Professor.

Ernest Jones, 1912-1913.

Physics.

Professors.

James Loudon, 1887-1907.
J. C. McLennan, 1907-

Associate Professors.

J. C. McLennan, 1905-1907.
E. F. Burton, 1911-

Assistant Professors.

L. Gilchrist, 1916-
J. Satterly, 1916-

Pathology.

Professor.

John Caven, 1892-1896.

Pathology and Bacteriology.

Professors.

John Caven, 1896-1900.
J. J. Mackenzie, 1900-

Associate Professor.

J. A. Amyot, 1900-1910.

Professor of Clinical Pathology.

H. B. Anderson, 1903-1905.

Preventive Medicine.

Professor.

Charles Sheard, 1903-1911.

Pathological Chemistry.

Professors.

J. B. Leathes, 1909-1915.
Andrew Hunter, 1915-

MEDALLISTS.

Medicine.

g. *gold medal;* s. *silver medal.*

Year.
58 Oille, L. S.–g.
Aikins, M. H.–s.
Millar, T.–s.
59 Barnhart, C. E.–g.
King, J.–s.
Francis, W. F.–s.
60 Bascom, J.–g.
Playter, E.–s.
Tisdell, F. B.–s.
Morton, E. D.–s.
Ogden, W. W.–s.
Martyn, D. H.–s.
61 Hudson, A.–g.
Elliott, J. D.–s.
62 Dolster, J.–g.
De Grassi, G. P.–g.
63 Ramsay, W. F.–g.
64 McLaughlin, J. W.–g.
65 Burnham, E. L.–g.
McCarthy, J. L. G.–s.
Kitchen, E. E.–s.
66 Mickle, W. J.–g.
McCullough, J.–s.
Wadsworth, J. J.–s.
67 Sparks, T.–s.
Palmer, R. N.–s.
Harbottle, R.–s.
Eccles, F. R.–s.
McFarlane, N.–s.
Newton, J. H.–s.
68 Brown, J. P.–g.
Hunt, R. H.–s.
Howe, T. C.–s.
69 Graham, J. E.–g.
Humble, C.–s.
McCollum, J. H.–s.
Bentley, T. B.–s.
70 Greenless, A.–g.
Burgess, T. J. W.–s.
Smith, C. M.–s.
Standish, J.–s.
Wagner, W. J.–s.
Burt, W.–s.
Williams, A. D.–s.
71 Forrest, W.–g.
Moore, C. Y.–s.
Henning, N. P.–s.
Delamater, R. H.–s.
72 Zimmerman, R.–g.
Crozier, J. B.–s.

Year.
73 Close, J. A.–g.
Beeman, M. I.–s.
Wright, A. H.–s.
Hagel, S. D.–s.
74 Fraser, D. B.–g.
Brown, O. C.–s.
Farewell, A.–s.
Cameron, I. H.–s.
Shaw, G.–s.
Fraser, D.–s.
75 Britton, W.–g.
White, J.–s.
Bennett, J. H.–s.
Eakins, J. E.–s.
76 McPhedran, A.–g.
Lackner, H. G.–s.
Bowerman, A. C.–s.
Wilson, W. J.–s.
77 Stuart, W. T.–g.
Orr, R. B.–s.
Richards, N. D.–s.
78 Griffin, H. S.–g.
Meek, H.–s.
Bonnar, J. D.–s.
Kennedy, G. A.–s.
Gardiner, J. H.–s.
79 Burt, F.–g.
Mills, R. P.–s.
Chappell, W. F.–s.
80 Cross, W. J.–g.
Bryce, P. H.–s.
Ferguson, J.–s.
81 Duncan, J. H.–g.
82 Wallace, R. R.–g.
Duncan, J. T.–g.
83 Robinson, W. J.–g.
Dolsen, F. J.–g.
84 Clerke, J. W.–g.
85 Howell, J. H.–g.
Carr, L.–s.
Saunders, R. M.–s.
Hoople, H. N.–s.
86 Peters, G. A.–g.
Noecker, C. T.–s.
Johnston, D. R.–s.
87 Ego, A.–g.
88 Féré, G. A.–g.
Galloway, J.–s.
89 Chambers, G.–g.
Collins, J. H.–s.

Year.
89 Godfrey, F. E.–s.
90 Barker, L. F.–g.
Cullen, T. S.–s.
Philip, W. H.–s.
McFarlane, M. T.–s.
McGillivray, C. F.–s.
91 Barnhardt, W. N.–g.
Bollen, P.–s.
Boyd, G.–s.
McGorman, G.–s.
92 Bruce, H. A.–g.
Middlebro, T. H.–s.
Gowland, R. H.–s.
Brown, J. N. E.–s.
93 Harvie, J. N.–g.
South, T. E.–s.
Elliott, W.–s.
Futcher, T. B.
Harvey, E. E. Æq–s.
94 McCollum, W. J.–g.
Rutledge, H. N.–s.
Crain, W. E.–s.
Johnston, H. A.–s.
95 Merritt, A. K.–g.
McKay, T. W. G.–s.
McCrae, T.–s.
Hunter, A. J.–s.
96 McCaig, A. S.–g.
Roberts, E. L.–g.
Graef, C.–s.
Goldie, W.–s.
Macklin, A. H.–s.
97 Elliott, J. H.–g.
Hume, J. J. C.–s.
Nichol, R.–s.
Yeomans, W. L.–s.
98 McCrae, J.–s.
Sutherland, G. A.–s.
White, W. C.–s.
Cahoon, F.–s.
99 Wells, W.–g.
Hargrave, H. G.–s.
Piersol, W. H.–s.
Gow, J.–s.
00 Scott, P. L.
Bell, C. C. Æq–g.
Howland, G. W.
Revell, E. D. Æq–s.
Carder, E. D.–s.
01 Clarkson, F. A.–g.

Year.
01 McIlwraith, D. G.–s.
Cleland, F. A.–s.
Carswell, W. A.
Cohoe, B. A. Æq–s.
02 Roaf, H. E.
Saunders, W. P. Æq–g.
Fletcher, G. W.–s.
Moir, A.–s.
Archer, A. E.–s.
03 Oille, J. A.–g.
Phillips, J.–s.
Yin, S. C.–s.
Wilson, G. E.–s.
04 McCulloch, R. J. P.–g.
Kinghorn, A.–s.
Anderson, R. W.–s.
Walker, S. B.–s.
05 Lemon, W. S.–g.
Ford, G.–s.
Merritt, W.–s.
Gowland, M. E.–s.

Year.
06 McNeill, H. M.–g.
Holbrook, J. H.–s.
Dickson, E. C.–s.
Moorhead, A. S.–s.
07 Gray, G. C.–g.
McVicar, C. S.–s.
Schinbein, A. B.–s.
Cannon, O.–s.
08 Richards, G. E.–g.
Robertson, W. A.–s.
Buswell, R.–s.
Harkness, J. G.–s.
09 Parker, C. B.–g.
Tytler, W. H.–s.
Marcy, W. J. M.–s.
Brown, A. G.–s.
10 Watt, J. C.–g.
Follett, J. V.–s.
Butterfield, R. M.–s.
Barker, P. W.–s.
11 Livingstone, J. M.–g.
Eagles, A. S.–s.

Year.
11 Bouck, C.
Christie, N. A. Æq–s.
Campbell, J. G. A.–s.
12 McClenahan, R. R.
McPhedran, F. M., Æq–g.
Breslin, L. J.–s.
Wellman, A. L.–s.
13 Scott, W. A.
Fletcher, A. A. Æq–g.
Simon, K. M. B.–s.
Wookey, H. W.–s.
Brown, C. P.–g.
Irwin, O. M.–s.
Brodey, A.–s.
Darby, G. E.–s.
14 Detweiler, H. K.–g.
Hewitt, S. R. D.–s.
McKenzie, K. G.–s.
Brown, H. E.–s.

Star Medallists.

Year.
67 Palmer, R. N.
68 Hunt, R. H.
Brown, J. P.
Cassidy, J. J.
69 Graham, J. E.
70 Burgess, T. J. W.–g.
Greenless, A.–s.
Wagner, W. J.–s.
71 Moore, C. Y.–g.
Henning, N. P.–s.
Forrest, W.–s.
72 Zimmerman, R.–g.
Crozier, J. B.–s.
73 Meldrum, N. W.–g.
Close, J. A.–s.
Hagel, S. D.–s.

Year.
74 Brown, O. C.–g.
Farewell, A.–s.
Campbell, A. J.–s.
75 Britton, W.–g.
White, J.–s.
Bennett, J. H.–s.
76 Lackner, H. G.–g.
McPhedran, A.–s.
Bowerman, A. C.–s.
77 Stuart, W. T.–g.
78 Bonnar, J. D.–g.
Meek, H.–s.
Griffin, H. S.–s.
79 Burt, F.–g.
80 Cross, W. J.–g.
Bryce, P. H.–g.

Year.
81 Duncan, J. H.–g.
82 Wallace, R. R.–g.
83 Robinson, W. J.–g.
86 Peters, G. A.–g.
89 Collins, J. H.–g.
Chambers, G.–s.
90 Barker, L. F.–g.
91 Barnhardt, W. N.–g.
92 Middlebro, T. H.–g.
Bruce, H. A.–s.
96 McKay, T. W. G.
Rannie, J. A.
99 Hill, H. W.
03 McCrae, T.
08 Harvey, W. H.–g.
17 Dickson, E. C.–g.

DEGREES IN MEDICINE, CONFERRED BY THE UNIVERSITY OF TORONTO AT THE ANNUAL CONVOCATION, JUNE 1919

Alexander, Walter Pennington John
Avison, Douglas Bray

Battley, John Charles Sinclair
Bell, Frederic Judson, B.A.
Bell, Miss Helen Young, B.A.
Brayley, Lionel George
Bunt, Munford Harold

Carleton, Edmund Allan
Carter, Thomas Pilsworth
Cornwall, William Duncan
Cowan, Miss Mary Logan, B.A.
Cruikshank, Hamilton Chalmers

Devins, Clifford John
Dobson, Herbert Victor, B.A.
Dowler, Vernon Booth, B.A.

Esser, David
Evelyn, Stephen Jemmot

Found, Norman, B.A.
Free, Fred de Furlong

Graef, Frederick William

Hill, James Colville

Kennedy, Miss Celia Irlma Mildred
Kerr, Miss Marian Grant
Kiteley, Miss Elizabeth Lynd

Logie, William Douglas

Marvin, Miss Beetha Vivien
Miller, John Russel
Muir, Miss Helen Maude

McClinton, William Sinclair
McLeod, Norman Dobson

Neelands, Miss Lucy Grace

Paterson, Russell Stephen
Pequegnat, Leon Amiable

Stoll, Edward Lovell
Stover, Charles Bowen

Young, Cecil Oswald, B.A.

STUDENTS AT THE UNIVERSITY WHO RECEIVED THE DEGREE IN MEDICINE IN SEPTEMBER 1919

Anderson, Miss Alice Jane

Connell, William Morton

Forge, Francis Wesley

Halliday, Donald
Hayes, John Vernon

Kirkup, Norman Nelson

Lane, Howard Bernard
Locke, Fredrick Dean

Muir, David

Tiffin, Melvin Erle

STUDENT AT THE UNIVERSITY WHO RECEIVED THE DEGREE IN MEDICINE IN DECEMBER 1919

Hewson, Robert Daniel

FIRST YEAR TIME TABLE—SECTIONS A. AND B.—SIX YEARS' COURSE, SESSION 1920-1921.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Physics	Chemistry	Physics	German	Biology B. † Chemistry A. †	Biology
10–11	Physics A. and B. †	Mathematics German English	Biology A. †	Chemistry	Biology B. † Chemistry A. †	Gymnasium
11–12	Physics A. and B. †	French A.	Biology A † French B.	English Mathematics	Biology B. † Chemistry A. †	Physics (Tutorial) French B. Eng. Expression
12–1	Physics A. and B. †	Science and Civilization	Biology A. †	Biology	Physics	Physics (Tutorial) Eng. Expression
2–3	Biology A. † Chemistry B. †	Physics A. and B. †	Chemistry B. † French A.	Biology B. † Chemistry A. †	Biology A. and B.	
3–4	Biology A. † Chemistry B. †	Physics A. and B. †	Chemistry B. †	Biology B. † Chemistry A. †	Science and Civilization	
4–5	Biology A. † Chemistry B. †	Gymnasium A. 4.15 Eng. Expr.	Chemistry B. † 4.15 Eng. Expr.	Biology B. † Chemistry A. †		
5–6	Eng. Expression		Gymnasium B.	Eng. Expression		

SECOND YEAR TIME-TABLE, FIVE YEARS' COURSE SESSION 1920-1921.

September 28th-December 17th.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Physiology	Physiol. Pr. B.	Physiology Pr. B.	Biochemistry	Biochemistry	Anatomy Pr.
10–11	Anatomy	Physiol. Pr. B. Bact. (½ A.)	Physiol. Pr. B. Bact. (½ A.)	Physiology	Histology	Anatomy Pr.
11–12	Hist. Pr. A. Biochem. Pr. B.	Physiol. Pr. B. Bact. (½ A.)	Physiol. Pr. B. Bact. (½ A.)	Biochem. Pr. B. Bact. (½ A.)	Hist. Pr. B. Bact. (½ A.)	Anatomy Pr.
12–1	Hist. Pr. A. Biochem. Pr. B.	Physiol. Pr. B. Bact. (½ A.)	Physiol. Pr. B. Bact. (½ A.)	Biochem. Pr. B. Bact. (½ A.)	Hist. Pr. B. Bact. (½ A.)	
2–5	Anatomy Pr.	Biochem. Pr. A.	Anatomy Pr.	Anatomy Pr.	Biochem. Pr. A.	

January 4th-May 7th.

9–10	Physiology	Physiology	Physiology	Biochemistry	Biochemistry	Anatomy Pr.
10–11	Anatomy	Physiol. Pr. B. to February 7th Physiol. Pr. A. Bact. (½ B.)	Physiol. Pr. B. to February 7th Physiol. Pr. A. Bact. (½ B.)	Anatomy	Physiology	Anatomy Pr.
11–12	Hist. Pr. B. Biochem. Pr. A.	Physiol. Pr. A. Bact. (½ B.)	Physiol. Pr. A. Bact. (½ B.)	Biochem. Pr. A. Bact. (½ B.)	Hist. Pr. A. Bact. (½ B.)	Anatomy Pr.
12–1	Hist. Pr. B. Biochem. Pr. A.	Physiol. Pr. A. Bact. (½ B.)	Physiol. Pr. A. Bact. (½ B.)	Biochem. Pr. A. Bact. (½ B.)	Hist. Pr. A. Bact. (½ B.)	Physiology
2–5	Anatomy Pr.	Biochem. Pr. B.	Anatomy Pr.	Anatomy Pr.	Biochem. Pr. B.	

SECOND YEAR TIME-TABLE, SIX YEARS' COURSE, SESSION 1920-1921.

September 28th-December 17th.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Histology	Options	Options	Histology Pr. B.	Org. Chemistry	Anatomy Pr.
10–11	Anatomy	Histology	Histology	Histology Pr.B.	Options	Anatomy Pr.
11–12	Options	Histology Pr. B.	Histology Pr. A.	Histology Pr. A.	Options	Anatomy Pr.
12–1	Org. Chemistry	Histology Pr. B.	Histology Pr. A.	Histology Pr. A.	Options	Options
2–3	Anatomy Pr.	Anatomy B. Histology A.	Anatomy Pr.	Anatomy Pr.	Anatomy A. Histology B.	
3–4	Anatomy Pr.	Anatomy B. Histology A.	Anatomy Pr.	Anatomy Pr.	Anatomy A. Histology B.	
4–5	Anatomy Pr.	Anatomy B. Histology A.	Anatomy Pr.	Anatomy Pr.	Anatomy A. Histology B.	

SECOND YEAR TIME-TABLE, SIX YEARS' COURSE, SESSION 1920-1921.

January 4th-May 6th.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Options	Options	Options	Histology Pr. B.	Org. Chemistry	Anatomy Pr.
10–11	Anatomy	Histology	Histology	Histology Pr. B.	Options	Anatomy Pr.
11–12	Options	Histology Pr. B.	Histology Pr. A.	Histology Pr. A.	Options	Anatomy Pr.
12–1	Org. Chemistry	Histology Pr. B.	Histology Pr. A.	Histology Pr. A.	Options	Options
2–3	Anatomy Pr.	Chemistry A. Anatomy B.	Anatomy	Anatomy	Chemistry B. Anatomy A.	
3–4	Anatomy Pr.	Chemistry A. Anatomy B.	Anatomy	Anatomy	Chemistry B. Anatomy A.	
4–5	Anatomy Pr.	Chemistry A. Anatomy B.	Anatomy	Anatomy	Chemistry B. Anatomy A.	

THIRD YEAR DIDACTIC TIME-TABLE SESSION 1920-1921.

September 28th--December 17th.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
12–1			Physiology		
1–2	Physiology	Physiology A.B.		Physiology C.D.	General Pathology
2–3	Anatomy Lecture	Physiology A.B.	Surgery	Physiology C.D.	Anatomy Lecture
3–4	Anatomy A.B.	Physiology A.B. Anatomy C.D.	Anatomy	Physiology C.D. Anatomy A.B.	Anatomy C.D.
4–5	Anatomy A.B.	Physiology A.B. Anatomy C.D.	Pharmacology	Physiology C.D. Anatomy A.B.	Anatomy B

January 4th--May 7th.

12–1		Psychology ($\frac{1}{2}$ Term) Physiology ($\frac{1}{2}$ Term)		Physiology	
1–2	General Pathology		Pathological Histology		General Pathology
2–3	Pathological Histology	Surgery	Pathological Histology	Physiology	Pathological and Bacteriological Laboratory
3–4	Pathological Histology	Physiology	Physiology	Pathological Histology	
4–5	Anatomy		Medicine	Pathological Histology	

THIRD YEAR CLINICAL TIME-TABLE, FIVE YEARS' COURSE, SESSION 1920-1921.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Medicine Clinical Lecture	Medicine D. Chemistry B. Surgery A. Clinical Lecture C.	Medicine Clinical Lecture	Surgery Clinical Lecture	Medicine B. Chemistry A. Surgery C. Clinical Lecture D.	Medicine Clinical Lecture
10–11	Medicine B. Pharmacy A. Surgery C. Chemistry D.	Medicine A. Chemistry B. Surgery D. Clinical Lecture C.	Medicine D. Pharmacy C. Surgery A. Clinical Lecture B.	Medicine A. Pharmacy D. Surgery B. Chemistry C.	Medicine C. Chemistry A. Surgery B. Clinical Lecture D.	Medicine C. Pharmacy B. Surgery D. Clinical Lecture A.
11–12	Medicine B. Pharmacy A. Surgery C. Chemistry D.	Pharmacy 1/2 Class	Medicine D. Pharmacy C. Surgery A. Clinical Lecture B.	Medicine A. Pharmacy D. Surgery B. Chemistry C.	Pharmacy 1/2 Class	Medicine C. Pharmacy B. Surgery D. Clinical Lecture A.

FOURTH YEAR CLINICAL TIME-TABLE, SESSION 1920-1921.

Toronto General Hospital,

Ten Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Medicine	Infect. Diseases	Medicine	Medicine	Infect. Diseases	Medicine
10–11	Work Hour	Work Hour	Work Hour	Work Hour	Work Hour	Medicine Clin. Lect. T.G.H.
11–12	Obstetrics	Surgery	Surgery	Path. Chemistry	Surgery	Surgery
12–1						Sur. App. Anatomy Lect. T.G.H.

Toronto General Hospital and Hospital for Sick Children,

Ten Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Surgery	Medicine	Clin. Therap.	Medicine	Medicine	Medicine
10–11	Eye Nose	Eye Nose	Work Hour	Eye Nose	Eye Nose	Medicine Clin. Lect. T.G.H.
11–12	Eye Nose	Eye Nose	Surgery	Eye Nose	Eye Nose	Surgery
12–1						Sur. App. Anatomy Lect. T.G.H.

St. Michael's Hospital, Western Hospital and Hospital for Sick Children,

Ten Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Medicine	Medicine	9–10.30 Surgery	Medicine	9–10.30 Paediatrics	Medicine
10–11	Work Hour	Work Hour		Work Hour		Medicine Clinical Lecture T.G.H
11–12	Gynaecology	Surgery	10.30–12 Paediatrics	Surgery	10.30–12 Surgery	Surgery
12–1						Surg. App. Anat. Lect. T.G.H.

FOURTH YEAR DIDACTIC TIME-TABLE

September 28th—December 17th.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1–2	Pathological Histology	Pathological Histology	Pathological Histology	Pathological Histology	Pathological Chemistry
2–3	Pathological Histology	Pathological Histology	Pathological Histology	Pathological Histology	Medicine
3–4	Obstetrics	Therapeutics	Gynaecology	Obstetrics	Surgery
4–5	Clinical Laboratory	Clinical Laboratory	Clinical Laboratory	Clinical Laboratory	Clinical Laboratory
	January 4th—May 7th.				
1–2	Therapeutics	Neurology	Clinical Laboratory	Clinical Therapeutics	Clinical Laboratory
2–3	Med. Jurisprudence	Special Pathology	Clinical Conference on Autopsy Material	Hygiene	Hygiene
3–4	Gynaecology	Psychiatry, 6 weeks Medicine, 10 weeks	Special Pathology	Obstetrics	Obstetrics
4–5	Paediatrics, 6 weeks Toxicology, 8 weeks	Clinical Laboratory	Psychiatry, 6 weeks Surgery, 10 weeks	Paediatrics, 6 weeks Medicine, 10 weeks	Pathological Chemistry

N.B.—All clinics begin promptly on the hour.

No change is to be made in this Time-table without the consent of the Faculty Council.

FIFTH YEAR CLINICAL TIME TABLE, SESSION 1920-1921.

MEDICINE—Ten Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–12	Medicine	Medicine	Medicine	Medicine	Medicine	Medicine
2–4	Medicine	(Tuberculosis Clinic)	Medicine	Medicine	(Tuberculosis Clinic)	

SURGERY—Ten Weeks.

9–12	Surgery	Surgery	Surgery	Surgery	Surgery	Surgery
2–4	Neurology	Pathology	Neurology	Neurology	Pathology	

OBSTETRICS AND GYNAECOLOGY AND SPECIALTIES—Ten Weeks.

First Five Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Paed. 1-5 Nose 6-10 Eye 11-15	Paed. 6-10 Nose 11-15 Eye 1-5	Paed. 11-15 Nose 1-5 Eye 6-10	Paed. 6-10 Nose 1-5 Eye 11-15	Paed. 11-15 Nose 6-10 Eye 1-5	Paed.1-5 Nose 11-15 Eye 6-10
10–11	Paed. 1-5 Nose 6-10 Syphilis 11-15	Paed. 6-10 Nose 11-15 G.U. 1-5	Paed. 11-15 Nose 1-5 Syphilis 6-10	Paed. 6-10 Nose 1-5 G.U. 11-15	Paed. 11-15 Nose 6-10 Syphilis 1-5	Paed. 1-5 Nose 11-15 G.U. 6-10
11–12	Therap.	Dermat. 11-15	Clin. Therap.	Dermat. 1-5	Clin. Therap.	Dermat. 6-10
2–4	Dermatology			Psychiatry T.G.H. (Feeble-minded Clinic)	Psychiatry	

Second Five Weeks.

OBSTETRICS AND GYNAECOLOGY.

LECTURE TIME-TABLE.

	HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	12-1	Medicine. Clinical Lecture.	Medicine. Clinical Lecture.	Surgery. Clinical Lecture.	Clinical Conference on Pathological Material	Obstetrics.
October 4th-15th	4-5	Oto-Laryngology	Oto-Laryngology	Oto-Laryngology	Oto-Laryngology	Oto-Laryngology
October 18th-29th	4-5	Ophthalmology	Ophthalmology	Ophthalmology	Ophthalmology.	Ophthalmology
November 1st-5th	4-5	*Anaesthesia	*Anaesthesia	*Anaesthesia	*Anaesthesia	*Anaesthesia
November 8th-19th	4-5	Oto-Laryngology	Oto-Laryngology	Oto-Laryngology	Oto-Laryngology	Oto-Laryngology
November 22nd-December 3rd	4-5	*History of Medicine	*History of Medicine	*History of Medicine	*History of Medicine	*History of Medicine
December 6th-10th	4-5	*Dentistry	*Dentistry	*Dentistry	*Dentistry	*Dentistry
December 13th-17th	4-5	*Medical Ethics	*Medical Ethics	*Medical Ethics.	*Life Insurance	*Life Insurance

*Questions on these subjects may be set on the papers in Medicine and Surgery.

SYSTEM OF CHANGING CLASSES.

Date.	Medicine.	Surgery. Pathology. Neurology.	Obstetrics. Gynaecology. Eye. Ear, Nose and Throat. Paediatrics. Dermatology. Psychiatry. Syphilis. Clinical Therapeutics. Genito-urinary Surgery.
Sept. 28 to Dec. 4.	Nos. 31 to 60	Nos. 61 to 90	Nos. 1 to 30.
Dec. 6 to Feb. 26.	Nos. 61 to 90	Nos. 1 to 30.	Nos. 31 to 60
Feb. 28 to May 7.	Nos. 1 to 30.	Nos. 31 to 60.	Nos. 61 to 90

All clinics begin promptly on the hour.

No change is to be made in this Time-table without the consent of the Faculty Council.

FACULTY OF MEDICINE.

REGISTER OF STUDENTS, 1919-20.

First Year.

Abell, R. S. . . . . Owen Sound
Ainslie, Miss M. E. . . . . St. Mary's
Aitchison, D. B. . . . . Hamilton
Alexander, H. J. . . . . Norwich
Allin, R. F. . . . . Toronto
Amyot, J. F. . . . . Ottawa
Amyot, G. F. . . . . Ottawa
Anderson, O. W. . . . . Sundridge
Armstrong, B. C. . . . . Calgary Alta.
Atkinson, W. L. . . . . Guelph
Austin, J. W. . . . . Renfrew

Baker, F. E. . . . . Belleville
Baker, Miss F. M. . . . . Toronto
Baker, L. L. . . . . Toronto
Ball, W. M. . . . . Sault Ste. Marie
Banford, C. A. R. . . . . Iroquois
Bankwitz, Miss A. A. . . . . Toronto
Barclay, L. T. . . . . Claremont
Barker, J. J. . . . Prince Albert, Sask.
Barlow, H. S. . . . . Toronto
Barnett, R. M. . . . . St. Mary's
Barr, Miss C. A. . . . . Merlin
Bartlett, R. D. . . . . Brampton
Bates, Miss J. L. . . . . Toronto
Beasley, J. H. . . . . Toronto
Beatty, S. R. . . . . Thomasburg
Bell, A. M. . . . . Priceville
Bennett, S. R. . . . . St. Catharines
Best, C. H., West Pembroke, Maine
Best, C. J. . . . . Peterborough
Bicknell, H. E. . . . . Toronto
Biehn, S. L. . . . . Parry Sound
Bigelow, L. H. . . . . Bethany
Birch, J. R. . . . . Calgary, Alta.
Black, G. N. . . . . Springfield
Black, L. W. . . . . Hespeler
Booth, C. S. . . . . Mallorytow
Borsook, H. . . . . Toronto
Boyce, R. W. . . . . Belleville
Boyd, J. . . . . Hamilton
Boyd, W. R. . . . . Toronto
Brebner, W. B. . . . . Toronto
Briant, T. E. . . . . Toronto
Brillinger, F. . . . . Stouffville
Brown, A. C. . . . . Tweed
Brown, A. W. . . . . Almonte
Brown, D. E. . . . . North Bay
Brown, H. R. . . . . Toronto
Brown, J. M. . . . . Stratford
Brown, M. H. . . . . Trenton
Brown, N. R. . . . . Toronto
Brown, P. . . . . Mount Forest
Brummitt, R. B. . . Vancouver, B.C.
Buchanan, W. P. . . . . Galt
Burgess, J. H. . . . . Ottawa
Burns, W. B. . . . . Toronto
Byrne, U. P. . . New Westminster, B.C.

Calderone, A. J. . . . . St. Catharines
Caldwell, W. S. . . . . Ottawa
Cameron, J. M. . . . . Toronto
Cameron, W. H. . . . . Toronto
Campbell, Miss G. A., Blytheswood
Campbell, G. D. G. . . . . Toronto
Campbell, G. E. . . . . Hamilton
Campbell, G. W. W. A. . . . . Maple
Campbell, S. M. . . . . Toronto
Caple, H. H. . . . . Vancouver, B.C.
Carroll, R. E. . . . . Toronto
Carscadden, W. G. . . . . Lindsay
Carson, W. H. . . . . Chatsworth
Carveth, W. A. . . . . Toronto
Catherwood, W. L. . . . Hagersville
Chant, Miss E. H. . . . . Toronto
Charlton, W. H. M. . . . . Weston
Childs, H. H. . . . . London
Chisholm, G. B. . . . . Oakville
Chown, H. V. . . . . Kingston
Chu, P. Y. Y. . . . . Vancouver, B.C.
Cieman, S. . . . . Toronto
Clark, D. V. . . . . Toronto
Clark, N. S. . . . . Toronto
Clark, R. . . . . Yorkton Sask.
Clifford, C. H. . . . . Toronto
Code, D. B. . . . . Ottawa
Collins, W. A. . . . . Petrolia
Connolly, G. . . . . Brechin
Coutts, G. S. . . . . Midhurst
Croll, L. D. . . . . Saskatoon, Sask.
Cumming, G. S. . . . . Turnerville
Currie, G. C. . . . . Little Current
Currie, M. A. . . . . Little Current
Curtis, A. L. . . . . Atwood

Davies, R. D. . . . . Toronto
Davison, R. R. . . . . Dundas

Day, A. . . . . Orillia
d'Easum, L. G. C. . .New Westminster, B.C.
Delamere, H. D. . . . . Toronto
de Souza, M. G. . .New Amsterdam, Berbice, B.G.
Devins, W. P. . . . . Thornbury
Deyell, J. S. . . . . Peterboro
Dickson, B. R. . . . . Thamesville
Dill, J. L. . . . . Dublin
Dinniwell, O. C. . . . . Wiarton
Douglas, T. St. C. . . . . Moose Jaw, Sask.
Duncan, A. H. . . . . Toronto
Duncan, Miss J. R. . . . . Chatham.
Duncombe, K. L. . . . . Waterford
Dunlop, R. W. . . . . Kintore

Eccles, W. R. . . . . Holstein
Echlin, E. S. . . . . Hamilton
Elliott, G. A. . . . . Nelson, B.C.
Ely, C. W. . . . . Beamsville
English, S. S. . . . . Hamilton
Everist, W. C. . . . . Toronto

Fairfield, A. B. . . . . Beamsville
Falconer, J. G. . . . . Toronto
Fawcett, J. T. . . . . Mitchell
Fenton, W. K. . . . . Toronto
Ferguson, T. G. . . . . Toronto
Fielden, E. C. . . . . Toronto
Finlay, H. H. . . . . Yorkton, Sask.
Finlayson, D. S. . . . . Lorne P.O.
Fleck, Miss M. . . . . Toronto
Fleming, D. R. . . . . Stayner
Fleming, Miss E. M. . . . . Toronto
Fleming, F. J. . . . . St. Mary's
Fletcher, G. M. . . . . Toronto
Fletcher, W. R. . . . . Toronto
Forrest, S. J. . . .Summerville, N.J.
Forster, Miss M. B. . . . . Watford
Fraser, J. L. . . . . Petrolia
Fraser, T. . . . .Cyprus River, Man.
Fried, J. S. . . . . Toronto

Gauld, R. L. . . . . Mimico
Gerow, H. G. . . . . Colborne
Gilchrist, R. A. . . .New Westminster, B.C.
Glenney, W. R. . . . . Little Britain
Goldsmith, G. L. . . . . Toronto
Gossage, C. D. . . . . Toronto
Graham, W. L. . . . . Galt
Gray, H. M. . . . . Toronto
Gray, W. G. . . . . Courtright
Greenberg, W. . . . . Windsor
Green, J. . . . . Toronto
Greer, H. J. . . .Port Coquitlam, B.C.
Gregory, H. W. . . . . Stratford
Griffin, B. M. . . . . Coldwater
Griffith, J. R. I. . . . . Toronto
Gung, E. B. . . . . Victoria, B.C.
Gunn, Miss I. G. . . . . Clinton
Guthrie, J. A. T. . . . . Toronto

Hacking, L. C., New Westminster, B.C.
Hakstian, A. . . . . Brantford
Hames, C. F. W. . . . . Beeton
Hamilton, K. A. . . .Moose Jaw, Sask.
Handelman, B. . . . . Toronto
Hardy, A. V. . . . . Oakwood
Hare, M. A. . . . . Rosetown, Sask.
Harper, J. W. . . . . Wallaceburg
Harrison, J. . . . . Tamworth
Hawkins, W. D. . . . . Toronto
Heaslip, P. T. . . . . Dunnville
Heath, T. R. . . . . Orton
Heaton, T. G. . . . . Toronto
Heggie, D. C. . . . . Brampton
Henderson, D. N. . . . . Toronto
Henderson, J. J. . . . . Toronto
Henderson, W. W. . . . . Qu'Appelle, Sask.
Henne, F. R. . . . . Gananoque
Henry, A. T. . . . . Vancouver, B.C.
Hershey, J. H. . . . . Owen Sound
Hershey, J. M. . . . . Owen Sound
Hetherington, A. E. . . . . Teeswater
Hill, W. V. . . . . Toronto
Hilliar, H. K. . . . . Burk's Falls
Hobson, J. P. . . . . Niagara Falls
Hodd, D. G. . . . . Hamilton
Hodgins, B. A. . . . . London
Hooper, G. G. . . . . Brandon, Man.
Horton, C. B. . . . . Toronto
Howard, J. A. . . . . Ottawa
Hugill, A. E. . . . . Toronto
Hume, T. W. K. . . . . Toronto
Hurlburt. W. E. . . . . Toronto

Irwin, D. A. . . . . Toronto
Irwin, W. J. . . . . Toronto

Jackson, J. E. . . . . Auburn
James, A. P. . . . . Toronto
Janes, E. C. . . . . Watford
Jaquith, L. E. . . . . Toronto
Jennings, H. N. . . . . Hagersville
Johnston, H. W. . . . . Burgesville
Johnstone, B. I. . . . . Tara
Johnstone, I. L. . . . . Chatham
Johnston, W. C. . . . . Kippen
Joyce, J. R. . . . . Glen Huron

Junkin, C. I.....Toronto

Keith, H. M.....Toronto
Kelly, A. B.....Toronto
Kelly, A. D.....Toronto
Kenyon, B. B. . . . . .Blair
Kerr, H. T.....Toronto
Kinkead, J. C. . . . . .Britton
Kinsman, R. H.....Hamilton
Knowlton, C. E.....Toronto
Kuehner, W. C.....Kitchener

Laing, J. W.....Wyevale
Lambert, A. G.....Rosseau
Landsborough, A. M....Port Credit
Lane, G. R.....St. Williams
Lang, A.....Kitchener
Lantsevitsky, N.....Toronto
Lathrope, C. D.....Bowmanville
Latimer, R. H.....Beaverton
Lavine, S.....Toronto
Laxton, J. E.....Toronto
Liddy, F. J. . . . . .St. Catharines
Lockhart, J. L.....Midland
Lyon, L. A. . . . . .Oakville

Mackam, T. W. . . .St. Catharines
Madoo, S. C. V. . . . .Port of Spain, Trinidad
Maltby, E. J.....Toronto
Manaceveth, B. A.....Toronto
Mark, E. C. . . . .Hong Kong, China
Matheson, G. E. . . . . .Sudbury
May, C. R.....Plunkett, Sask.
Meekison, D. M...Vancouver, B.C.
Menzies, F. H.....Burks Falls
Michell, G. E.....Toronto
Middlebro, J. P. . . . . .Owen Sound
Millar, B. O. . . . . .Smith's Falls
Millar, J. W.....Castleton
Miller, S.....Toronto
Miller, W. H.....Toronto
Milliken, J.....Renfrew
Mills, Miss G.....Toronto
Milne, J. E.....Elmwood
Milne, R. E. A. . . . .Niagara Falls
Mitchell, C. L. . . . .Victoria, B.C.
Mitchell, H. C.....Toronto
Mitchell, H. D. . . . . .Victoria, B.C.
Moir, H. B.....Preston
Moir, H. K.....Toronto
Monaghan, H. J. . . . .New Hamburg
Montgomery, R. C.....Toronto
Moore, Miss F. M. . . . . .Athens
Moorhead, E. E.....Toronto
Morton, H. D.....Toronto
Mount, H. T. R.....Kettleby

Munro, F. W.....Toronto
Murchison, E. B.....Cambray
Murphy, W. M. . . . . .Owen Sound
Murray, L. L...Guy's Hill, Jamaica
Mustard, J. M. . . . . .Uxbridge

McAlister, H. R.....Hamilton
McAteer, J.....Toronto
McBain, R. W. . . . . .Hamiota, Man.
McCarthy, K. C.....Toronto
McCartney, T. G. . . . . .Bethany
McClinton, J.....Goderich
McComb, R. D.....Lowbanks
MacDonald, N. . . . . .Atherley
MacDonald, P. G. . . . . .Orillia
McDonald, T. A...Deloraine, Man.
McFadden, J. L. . . . . .Victoria, B.C.
McGarvey, M. R.....Petrolia
McGill, W. L.....Toronto
McGillivray, G. A. . . . . .Whitby
MacGowan, G. A.....Toronto
McGregor, G. W. . . . . .Inglewood
McGuire, C. T. . . . . .Merrtion
McIntosh, J. S. . . . .St. Catharines
Mackay, A. F.....Truro, N.S.
McKay, D. B.....Stayner
Mackay, G. C. . . . . .Mimico Beach
McKay, J. B.....Owen Sound
McKinnon, A. L.....Orton
McLean, G. C.....Collingwood
MacLean, D. L. . . . . .Harriston
McMullen, R. E.....Toronto
MacPherson, Miss G., Campbellton

Naden, J. R. . . . . .Victoria, B.C.
Nash, F. L.....Toronto
Neelin, W. E. E.....Richmond
Neilson, J. R.....Stratford
Nichols, T. R.....Stratford
Nicholson, Miss M. A. . . .Lucknow
Noble, E. C.....Toronto

O'Beirn, W. F.....Uxbridge
Ogden, C. E. . . . . .Mimico Beach
O'Gorman, J. T.....Toronto
Ormerod, M. J.....Toronto
Orr, Miss J. S.....Toronto
Owens, Miss M. . . . .Grenville, P.Q.

Park, J. H.....Mitchell
Parker, H. F.....Woodstock
Paterson, J. C. . . . . .Sarnia
Paton, W. M.....Toronto
Paul, G. S. . . . . .Sunderland
Pember, F. R.....Toronto
Perry, Miss F. E. . . . .Victoria, B.C.
Phillips, M.....Dundalk

Pinchin, A. H.....Toronto
Plewes, D. F.....Toronto
Potter, C. W.....Southend
Pratt, C. H.....Chesley
Price, H. W.....Toronto
Proud, R. H. . . ..Tara

Quinlan, J.....Stratford

Reingold, M.....Toronto
Richards, C. A.....Millbrook
Richer, D. E.....Lachute, P.Q.
Ridge, W. W.....Hamilton
Riley, R. C.....Welland
Roach, C. J.....Vancouver, B.C.
Roberts, O. C.....Montclair, N.J.
Robinson, J. T. H. . . . . Belgrave
Robinson, L. E. . . . . Aurora
Ross, J. C. . . . . Zealandia, Sask.
Rothwell, H. G.....Toronto
Rowley, A. E.....Toronto
Rudd, M. K.....Parry Sound
Rumball, W. C.....St. Catharines
Russell, D. C.....Toronto
Rynard, W. M. W. . . . . Zephyr

Sands, G. E.....Corunna
Scarlet, E. P., Portage La Prairie, Man.
Schwab, J.....Toronto
Scott, D. E. . . . . Belleville
Scott, R. F.....Toronto
Scott, T. F.....Claremont
Scott, W. C. M.....Omemee
Seltzer, I. E.....Toronto
Senn, J. N. . . . . Caledonia
Sexsmith, E. L. . . . . Oakville
Sharpe, W. C. . . . .North Toronto
Shaw, E. S. . . . . Guelph
Sher, Miss L.....Toronto
Sherman, S.....Toronto
Shulman, B.....Toronto
Silverthorne, L. N. . . . . Brantford
Simpson, Miss R. R. M....Toronto
Sinclair, J. M.....Toronto
Singer, Miss M.....Toronto
Sinnott, J. A.....Hamilton
Sloan, S. G. . . . . Chatham
Sloman, F. G. . . . . Clinton
Smart, M. M. . . . . Caron, Sask.
Smith, A. G.....Toronto
Smith, H. M.....Chatham
Smith, R. G. . . . . Hickson
Smith, T. B.....Toronto
Smookler, W. H.....Toronto
Soames, E. P. . . . . Aurora
Spaulding, H. E.....Aurora
Spratt, E. H.....Ottawa
Standen, C. W.....Penticton, B.C.
Stewart, D. W. . . . . Teeswater
Stillman, I.....Toronto
Stokes, L. S. . . . . Mount Albert
Stott, S. J.....Toronto
Strain, F. A.....Gore Bay
Strebig, D. L. M.....Toronto
Stringer, F. H.....Dawson, Y.T.
Sutherland, H. M....Ogdensburg, N.Y.
Sutherland, L. J. . .Holland Centre
Syer, G. E. . . . . Fraserville
Sykes, A. V. . . . . Calgary, Alta.

Taylor, W. H.....Guelph
Teasdale, H. R. . . . . Massey
Thompson, C. E. . . . .Stoney Creek
Thompson, R. A.....Zephyr
Thompson, T. W.....Port Credit
Truax, A. J.....Toronto
Tyrrell, J. D.....Hamilton

Urquhart, A. M. . . . . Oakville
Urquhart, D.....Toronto

Vanderburg, A. W., West Summerland, B.C.
Verity, G. E.....Brantford
Verner, T. B.....St. Catharines
Vine, G. D.....Atwood
Vokes, H. A. S.....Toronto

Waddell, R. R.....Hamilton
Wade, C. W.....Vancouver, B.C.
Walker, J. E., New Westminster, B.C.
Walsh, J. P. . . . . Sarnia
Wansbrough, R. M...Grand Valley
Ward, B. A.....Bracebridge
Warner, O. M.....Toronto
Watson, J. L.....Toronto
Weaver, R. T., Red Pheasant, Sask.
Welsh, H. E. . . . . Moira
Westcott, D. B. . . . . Collingwood
Westman, E. R.....Toronto
White, C. C.....Chatham
White, C. O.....Toronto
White, Miss K. M.....Moose Jaw, Sask.
Wilcox, F. A.....Toronto
Wildfang, E. J.....Elmwood
Wiley, W. R.....Toronto
Wilkins, A. R.....Toronto
Wilkins, W. R.....Toronto
Williams, J. E.....Toronto
Williams, J. J. P.....Toronto

Williams, W. O.....Cardinal
Williamson, F. M. . . . . Priceville
Williamson, G. S.....Beaverton
Wilson, C. H.....St. George
Wilson, Miss M. E.....Toronto
Wolfson, H.....Collingwood
Wylie, J. H.....Almonte
Wylie, W. A.....Toronto
Wyndham, C.....Oakville

Young, Miss A. M.....Toronto

Second Year.

Adams, Miss D.....Toronto
Adams, J. H. F.....Toronto
Allan, C. C.....Toronto
Anderson, E. S.....Toronto
Anderson, W. K..... Chatham
Arbuckle, D. S.....Toronto
Atkinson, W. C....Vancouver, B.C.

Baker, Miss G.....Chatham
Ballantyne, P. M.....Toronto
Batson, H. H.....Brantford
Beaton, C.....Owen Sound
Beattie, O. M. . . . . Batteau
Bell, G. C. . . . . Dundalk
Bell, J. K.....Kamloops, B.C.
Bennett, A. E.....Grand Valley
Binning, G. G. T.....Moose Jaw, Sask.
Bishop, C. A.....Toronto
Bochner, M.....Toronto
Borland, T. H.....Innerkip
Boulding, C. R.....Putnam
Boulter, L. W. . . . . Picton
Brady, F. A.....Toronto
Breslin, R. H.....Owen Sound
Brewster, W. R.....Brantford
Brodie, Miss M. H.....Stouffville
Bronstein, Miss R.....Toronto
Brown, G. W.....Lyn
Buckley, H. R. . . . .Niagara Falls
Burridge, Miss M. F., Victoria, B.C.

Cameron, H. G...Saskatoon, Sask.
Campbell, D. M. . . . . Strathroy
Carmichael, Miss A. I., Peterborough
Carrie, D. S.....St. Thomas
Carruthers, Miss H. R.....Toronto
Carson, J. E.....Desboro
Carson, R. J. . . . . Orillia
Caven, W. R.....Toronto
Challener, R. E. S.....Toronto
Cheney, Miss M. J.....Ottawa
Clysdale, E. S.....Mooretown
Cohen, J. L.....Toronto
Cohen, W. A.....Toronto
Cole, M. S.....Brantford
Colvin, L. T.....Picton
Comisky, Miss E. H...Richmond Hill
Cook, Miss S. M. L.....Toronto
Copeman, E. S. . . . . Paris
Copp, E. F. F.....Clinton
Couch, A. J.....Toronto
Coyne, D. R.....Leamington
Cray, J. F.....Guelph
Creen, Miss F. A. . . . . Paris
Crowe, L. L.....Bridgetown, N.S.

Dales, C. W.....Drayton
Dalrymple, Miss L. A...Waskada, Man.
Denison, L.....Toronto
Devitt, F.B.....Toronto
Dimitroff, T.....Toronto
Douglas, H. S. . . . . Springfield
Drummond, H. A.....Toronto
Dunton, A. S. . . . . Paris
Dusseau, C.....Toronto
Dyer, H. F.....Allandale

Ewing, C. H. . . . . Fergus

Farley, J. W. . . . . Trenton
Fatum, O.....Gowanstown
Faulkner, Miss I. G. . . .Duntroon
Fetterly, Miss M. E. . . . .Cornwall
Fisher, M. M. . . . . Kippen
Fisher, R. S. M.....Georgetown
Fitzgerald, G. J. . . . . Vasey
Ford, J. R.....Dutton
Fortune, C. W.....Walkerton
Foster, F. H.....Toronto
Foster, G. V.....Toronto
Fowler, M. N.....Hamilton
Frank, F. W.....Hamilton

Gamble, J. E. D.....Brantford
Gauld, Miss F. M.....Toronto
Gemmel, J. G. . . . . Ayr
Gilbertson, R. L. . . . . Simcoe
Glass, S. J.....Toronto
Gleeson, H. J. . . . . Napanee
Goldberg, L.....Toronto
Golden, I M.....Toronto
Gordon, G.....Toronto

Graham, J. D.....Toronto
Graham, R. W.....Toronto
Graham, W. L.....Lobo
Gratz, C. M.....Sunnyslope, Alta.
Gray, F. E.....Listowel
Gray, T. W. A.....Millbrook
Greenberg, D. Y.....Windsor
Greenberg, J. H.....Toronto
Grierson, N. B.....Hanover
Grieve, J. G.....Millbank
Grove, J. H.....Toronto

Hall, G. C. R.....Little Britain
Hall, J. L.....Phelpston
Hall, S.....Pyong Yang, Korea
Hardie, G. C.....Victoria, B.C.
Harkins, E. B.....Toronto
Harold, R. L.....Caron, Sask.
Harris, C. S.....Toronto
Hayes, J. J.....Phelpston
Hazen, G. M. T..Saskatoon, Sask.
Henderson, W. S.....Sarnia
Henry, L. L.....Niagara Falls
Herold, R. E.....Shakespeare
Hipwell, R. E.....Alliston
Howell, Miss H. D.....Welland
Howse, G. O.....Aylmer
Hunt, V. G.....Calgary, Alta.
Hunter, Miss D. L.....Kuangning, Manchuria
Hynes, B. J.....St. Catharines

Ireland, G. I.....Trenton

Jessel, L.....Toronto
Johnston, J. A.....Kars
Johnston, J. L.....Inwood
Johnston, W. V.....Auburn

Jones, E. M.....Hamilton
Judson, F. M.....Lyn

Kernick, M.....Toronto
Kilgour, D. G.....Guelph
Knight, E. W.....Toronto
Kohan, M.....Toronto

Large, R. G...Port Simpson, B.C.
Lavine, I.....Toronto
Levin, S. J.....Windsor
Levinson, R. M.....Kenora
Lewis, F. I.....Orangeville
Luke, W. R. F.....Toronto
Lyon, E. K.....Blyth

Maginley, H. D...Lyons, Antigua, B.W.I.
Mahaffy, A. F.....Cromarty
Maitland, C. W.....Toronto
Maloney, F. G. H.....Toronto
Manning, R. F.....Forest
Markowitz, J.....Toronto
Miller, H. R.....Selkirk
Miller, J. B.....Brantford
Miner, H. B.....Humberstone
Moffat, G. F.....Weston
Montgomery, A. E.....Tiverton
Moore, W. N.....Uxbridge
Morrison, N. F.....Corunna
Morton, W. R.....Proton
Mowat, H. F.....Acton
Murray, L. M.....Toronto

McAllan, N. R.....Woodstock
McCallum, A. P.....Dutton
McCluskey, E. R.....Alliston
McCormick, Miss H. H....Toronto
McCormick, W. K....Amherstburg
McCosh, R. A.....Kincardine
Macdonell, R. V...Dalhousie Mills, P.Q.
McEachern, J. M., Winnipeg, Man.
Mackay, D. A.....Ingersoll
McKenzie, R. D.....Hanley, Sask.
McLaughlin, P. B.....Toronto
MacLachlan, Miss S. R....Toronto
McLellan, T. G.....Weston
McMaster, E. A.....Utopia
McMurray, W. J....Niagara Falls

Neelands, R. J.....Forest
Nichol, K. D.....Brantford

O'Donnell, B. A. P.....Toronto
Oke, Miss I. R.....St. Catharines
O'Neill, C. N.....Clandeboye
Oreshkin, L.....Windsor
Oreshkin, S. H.....Windsor

Page, N. A.....Brockville
Page, S. U.....Toronto
Papish, A.....Toronto
Parnell, H. M.....St. Catharines
Parry, G. O.....Toronto
Patterson, J. A.....Walkers
Pauley, G. E.....Gananoque
Perkin, F. S.....Toronto
Philp, D. P.....Toronto
Philp, W. G.....Toronto
Polack, S. S.....Toronto
Price, C. K.....Toronto
Pritchard, J. R., North Wakefield, Que.
Purdy, A. T. D.....Toronto

Radcliffe, E. J.....Toronto
Rahner, H. R.....Rochester, N.Y.
Ranta, O. O.....Toronto
Rhodes, Miss G. .Bergerville, P.Q.
Richardson, W. F.....Maitland
Richer, Miss F.....Lachute, P.Q.
Riddell, J. R.....Newton
Ridley, C. B.....Toronto
Robert, J. T.....Chatham
Robertson, Miss E. M.....Toronto
Robinson, A. J.....Toronto
Ross, A. C.....Kirkfield
Ross, J.....Toronto
Ross, J. W.....Stratford
Ross, S. G.....Toronto
Rowen, E. H.....Guelph
Russell, D. C.....Hamilton
Ryan, T. J.....Toronto

Sackin, I. J.....Toronto
St. John, H. F.....Uxbridge
Serles, H. R. .....Niagara Falls
Shaver, E. O.....Toronto
Shields, W. L.....Coboconk
Silverman, N.....Kenora
Singleton, A. C.....Toronto
Slaughter, C. B. P.....Toronto
Smart, J. B.....Brockville
Smylie, C. H.....New Liskeard
Snell, G. C.....Toronto
Snell, J. W.....Dutton
Snider, D. I.....Windsor
Spence, J. E.....Orangeville
Spratt, L. M.....Caledonia
Stone, W.....Toronto
Streets, C. W.....Bridgeburg
Suffel, S. C.....Smith's Falls
Summerfeldt, Miss P. F....Toronto
Swan, D. C. S.....Toronto
Switzer, W. A. W. . . . .Science Hill
Symington, J. B.....Camlachie

Taylor, O. L.....Bolton
Temes, J. H.....Toronto
Thomas, C. H.....Forest
Torrance, A. M.....Listowel
Tufford, N. G.....St. Thomas

Urquhart, J. L.....Uxbridge
Urquhart, R. W. I.....Moose Jaw, Sask.

Veale, W. T.....Bowmanville
Volinsky, I. R.....Toronto

Walker, R. J.....Smith's Falls
Walters, W. R.....Toronto
Walton, G. R.....Toronto
Watson, G. H.....Port Credit
Wellwood, G. R.....Richmond Hill
White, M. F.....Lindsay
Wilson, W. H.....Toronto
Wilson, W. S.....Toronto
Wolseley, R. G. . . . .Campbellville
Woodrow, W. H.....Coldwater
Woolfson, J.....Toronto
Wright, F. W.....Tottenham

Young, Miss P. V.....Peterborough

Third Year.

Allan, F. N.....Wroxeter
Anderson, J. O.....Toronto
Andrew, O.....Oakville
Appel, S.....Toronto
Armstrong, G. W.....Uxbridge

Balfe, T. H.....Hamilton
Baker, S. E.....Toronto
Barton, E. R.....Toronto
Bates, J. E.....Toronto
Bell, E. C.....Stayner
Bell, J. W.....Windsor
Benson, J. G.....Wellington
Bicknell, E. A.....Toronto
Bird, E. S.....Gananoque
Bird, H. G.....Gananoque
Blott, R. D.....Dunnville
Bochner, T. N.....Guelph
Boley, J. P.....Huntsville
Bowie, D. J.....Midland
Bowyer, Miss M. E.....Toronto
Boyes, T. L.....Hamilton
Bradley, B. V.....Toronto
Bryan, C. G.....Toronto
Bull, R. C.....Weston
Bulman, R. J.....Toronto
Burrows, Miss D. J. . . . .Harriston
Byers, J. W. R.....Bailieboro

Carrow, G. W.....Toronto
Carruthers, W. L.....Elmvale
Carson, R. A.....Barrie
Carter, J. J.....Clifford
Case, G. E.....Dungannon
Cavanagh, J. L.....Owen Sound
Chase, Miss L. A. .Greenwich, N.S.
Chester, J. F. V.....Toronto
Chung, Miss V.....Victoria, B.C.

Cleghorn, I. M.....Baldur, Man.
Clendenan, D. G.....Toronto
Coliton, J. H.....Toronto
Cosgrove, K. W....Asheville, N.C.
Crowley, L. J.....Gadshill
Cruickshank, F.....Weston
Cumming, J. F.....Turnerville

Danard, B. P.....Owen Sound
Dickson, J. A.....Niagara Falls
Dodd, Miss A. I.....Toronto
Dunning, G. W.....Cumberland

Eisen, D.....Toronto
Ellis, E. G.....Sarnia
Evans, G. F.....St. Mary's
Fallon, J. T.....North Bay
Farquharson, R. F.....Agincourt
Fine, H. P.....Toronto
Fleming, E. G.....Cobourg
Forrest, J. A.....Toronto
Fowler, H. G.....Toronto
Francis, A.....Vancouver, B.C.

Garratt, Miss G. C.....Toronto
Gauld, W. H.....Tamsui, Formosa
Gay, Mrs. St.C. R....New York, N.Y.
Gebirtig, T.....Toronto
Gill, D. G.....Victoria Harbor
Gordon, R. I.....Stratford
Grainer, M.....Toronto
Graham, A. H...Denver, Colorado
Gray, W. H.....Toronto
Green, N. H.....Agincourt
Griffin, F. R.....St. Thomas
Grigg, V. S.....Bruce Mines

Hale, A. S.....Stratford
Hamill, F. C.....Meaford
Hamlin, L. E.....Kincardine
Hanley, E. G.....Midland
Harcourt, J. A. A.....Cayuga
Hare, R. B.....Rosetown, Sask.
Harris, G. W.....Rodney
Hart, H.....Omemee
Harvey, M. C....Tugaske, Sask.
Harvey, W. H.....Princeton
Heard, K. M.....St. Thomas
Helston, G. E.....Toronto
Hendry, J. R.....Toronto
Henry, C. R.....Drayton
Hetherington, H. W., St. Catharines
Hewgill, J. C.....Toronto
Hopkins, J. E.....Stoney Creek
Hubbard, J. P.....Forest
Hutchison, J. H....Kinley, Sask.
Hutton, F. T.....St. Mary's

Ireland, F. A.....St. Catharines
Ives, R. E.....Colborne

Jennings, G. H.....Brantford
Johnson, J. H.....Kenora
Junkin, F. L.....Toronto

Kemp, W. N.....Toronto
Kilgour, A. J.....Cornwall
Kiteley, P.....Glen Allan
Koster, B. M.....Toronto
Kreiner, J. H.....Kitchener

Laing, W. C.....Brantford
Lancaster, W. E. G...Kingsville
Lang, R. S.....Orono
Lee, W. W.....Toronto
Lehrman, D.....Toronto
Leonard, P. J.....Toronto
Linklater, E. W.....Wingham
Logan, H. D.....Niagara Falls
Long, E. C.....Listowel
Lowrie, R. J.....Toronto

Mackersie, W. G.....Atherley
Markowitz, C. A.....Toronto
Martin, C. A.....Milton West

Martin, G. G.....Campbellford
Merifield, R. C...Swift Current, Sask.
Merritt, E. G.....Chatham
Minns, J. E.....Tweed
Montgomery, S. R. P.....Toronto
Monypenny, Miss A. D...Toronto
Morgan, A. E.....Toronto
Morris, R. H.....Middleton, N.S.
Mounce, A. R. E.....Oshawa
Myers, F. C.....St. Mary's

McClelland, J. C.....Brampton
McClure, R. B.....Toronto
McClure, W. B.....Brampton

McCormack, O. L.....Toronto
Macdonald, Miss F., Pinette, P.E.I.
McDonald, J. J. A.....Orillia
McDonald, R. H.....Lakeside
MacDonald, W. G.....Toronto
MacFarlane, J. A., Nokomis, Sask.
McFaul, A. M.....Collingwood
McGarry, J. R.....Niagara Falls
McGarvah, A. W.....Windsor
McKee, W. A.....Millbank
McLellan, C.....Mount Forest

Nodwell, G. R.....Grand Valley

O'Connor, M. J.....Toronto
Ogilvie, J. M.....Toronto
O'Leary, F. J.....Orillia

Palmer, W. S.....Toronto
Pamphilon, W. M.....Toronto
Patterson, F. R. C.....Perth
Perfect, F. R.....Toronto
Phillips, H. S.....Smith's Falls
Pollock, J.....Toronto
Pratt, R. S.....Laurel
Prendergast, D. J.....Toronto
Riddell, W. R.....Beaverton
Robinson, P. J.....Toronto
Running, D. H.....Agincourt
Russell, Miss M. P.....Toronto

Sansone, A. J.....Hamilton
Scott, J. F.....Barrie
Shaul, N.....Toronto
Shaul, S.....Toronto
Shaw, A. E.....Bluevale
Shier, L. V.....Toronto
Shoniker, H. J.....Toronto
Simpson, R. N.....Thornhill
Sinclair, K. Y.....Toronto
Skinner, H. A. L.....Guelph
Smith, C. G.....Sydney, N.S.
Speck, J. T.....Toronto
Speers, Miss F. E.....Allandale
Spence, C. A.....Lucknow
Stanley, A. M.....Lucan
Stephens, R. W.....Wiarton
Stoddart, W. O.....Woodville
Stone, A. L.....Hawkestone
Sullivan, O. P.....Orillia

Taylor, R. E.....Woodstock
Temes, S.....Toronto
Templin, Miss M. I.....Fergus
Teskey, L.....Toronto
Thompson, A. A...Penetanguishene
Tom, Miss M. I.....Goderich
Trapp, Miss D. M.....New Westminster, B.C.
Trimble, F. R.....Cottam
Truscott, R. S.....Hamilton
Tucker, W. L.....St. Thomas

Underhill, F. W.....Aurora

Watson, M. C.....Bolton
Wellwood, M. B...Richmond Hill
Wigle, D. St.J.....Windsor
Williams, C. V.....Toronto
Wilson, W.....Toronto
Wrong, H. A.....Aylmer.

Fourth Year.

Anderson, A. L....Saskatoon, Sask.
Armstrong, A. G.....Warkworth
Atwell, W. C.....Toronto

Bastow, D. C.....Toronto
Bird, G. L.....Brighton
Birrell, R. G.....Pinkerton
Blatz, W. E.....Hamilton
Blye, R. A.....Trenton
Brady, H. A.....Toronto
Bromley, A. J.....Toronto
Brown, Miss C. A.....Toronto
Bulmer, F. M. R.....Toronto
Bulmer, H. R.....Toronto

Campbell, F. C.....Hepworth
Carlisle, A. M.....Peterboro
Chambers, G. L.....Toronto
Charteris, W. F.....Chatham
Claridge, V. O.....Grand Valley
Clark, H. G.....Toronto
Crehan, W. H.....Calgary, Alta.
Cryderman, W. J. . .Niagara Falls
Dales, M. G.....Drayton
Danby, S. L. E.....Ottawa
Danis, J. T.....Ottawa
Dawson, L. E.....Toronto
Dollar, G. L.....Toronto
Dow, W. W.....Toronto
Doyle, R. H.....Toronto
Duncan, W. S.....Port Credit

Eadie, G. S.....Toronto
Edmonds, W. B.....Toronto
Edwards, J. C. R.....Cannington
Ellis, E. W.....Toronto
Ewart, E. W.....Bolton

Feader, F. N.....Toronto
Ferguson, J. S.....Chatham
Folinsbee, Miss M. E.....Toronto
Fraser, G. M.....Toronto

Gallaugher, L. C.....Lisle
Gillrie, R. B.....Drayton
Glasgow, G. K.....Tupperville

Gordon, A. C.....Toronto
Grady, Miss L. R. . .Peterborough
Graham, J. A.....Toronto
Green, C. O. P.....Port Hope

Hain, G. R.....Toronto
Harris, C. W.....Toronto
Harrison, Miss E. D.....Toronto
Haskett, F. H.....Watford
Hepburn, J.....Vancouver, B.C.
Hill, C. E.....Richmond Hill
Hobson, W. J.....Milford
Hopkins, H. E.....Toronto

Jewell, R. M.....Toronto
Johnston, H. W.....Drayton

Kilborn, L. G., Chengtu, Szechwan, China

Latchford, J. K.....Toronto
Laughlin, E. R.....Belleville
Lee, P. A.....Kingsville
Lehman, E. J.....North Bay
Linton, J. A.....Belle River

Malcolmson, A. S...St. Catharines
Mallin, D.....Toronto
Martin, A. D.....St. Mary's
Martin, R. C.....Newburgh
Mayne, C. H.....Drayton
Middleton, R. H.....Caledonia
Mills, O. G.....Tottenham
Mitchell, N. H.....Hamilton
Moffat, W. W.....Teeswater
Montgomery, R. C.....Harriston
Moon, H. R.....Sydenham
Mooney, Miss A. M., Grand Coulee, Sask.
Morris, N. D.....Orillia
Murray, D. W. G.....St. Paul's
Murray, J. K. P.....Toronto

McCart, H. W. D.....Toronto
McCarter, A. B..... Dawson, Y.T.
McCorvie, C. R.....Chatham
McDonald, J. G. L...Little Current
Macdonald, J. H. A.....London
McGarry, J. M.....Niagara Falls
McHugh, M. J.....Orillia
McKenzie, W. L.....Toronto
McKinnon, N. E.....Priceville
McLeod, J. H.....Kingstown, St. Vincent
Macnamara H. O.....Toronto
McPherson, R. J.....Galt
McQueen, M. D.....Comber
McQuitty, M.....Douglas

Newhouse, J. A.....Snelgrove
Nickle, F. J.....Malone
Noonan, W. T.....Mount Forest

O'Brien, J. M.....Erinsville
Oreshkin, I. W.....Windsor

Pedley, W. H.....Woodstock
Pennock, G. M.....Ottawa
Phillips, T. G. W.....Toronto
Price, Miss R.....Libau, Russia

Ratz, R. G.....Toronto
Richardson, R. N. C.....Toronto

Scott, H. R.....Maxville
Seymour, R. A....Vancouver, B.C.
Sheppard, R. J.....Queenston
Shunk, E. S. M.....Toronto
Sievenpiper, S. H.....Stouffville
Skipper, S. C.....Kingsville
Slocombe, G. W.....Port Dover
Smylie, R. T.....New Liskeard
Sneath, P. A. T.....Toronto
Stover, I.....Chatham
Styner, W. B.....Southampton
Sutherland, J. L...,St. Catharines
Switzer, J. W.....St. Mary's

Thomas, M. E.....Toronto
Thompson, I. B.....Harrow
Thomson, Miss A. E.....Lowerre Summit, Yonkers, N.Y.
Tice, J. W.....Oshawa
Tipping, C. E.....Toronto
Trackman, J. A.....Toronto
Turnbull, A.....Canfield

Van Wart, A. F., Fredericton, N.B.

Walden, A. P.....Guelph
Walters, A. G.....Southend
Walwyn, W. M.....Meaford
Watson, C. H.....Bolton
Watson, G. F.....Elmira
Weir, N. A.....Toronto
Weissgerber, L. A.....Nielson,. Montana
Wilkinson, F. W.....Toronto
Williams, Miss M. M.....Beeton
Williamson, Miss A. B. .Beaverton
Wilson, F. H.....Stouffville
Wladowsky, Miss M.....Toronto
Woodhouse, W.W...Niagara, Falls

Zwick, F. F.....Stirling

Fifth Year.

Anderson, J. P. . . . . Wilsonville
Armstrong, H. G. . . . . Brussels
Ayer, Mrs. I. T. . . . . Okotoks, Alta.

Baker, H. E. . . . . Elmvale
Bartley, Miss K. M. . . . . Toronto
Beamish, W. F. . . . Coronation, Alta.
Bell, G. L. . . . . Oro Station
Bicknell, M. J. . . . . Toronto
Black, B. . . . . Winnipeg, Man.
Brown, M. J. . . . . Toronto
Burns, B. B. R. . . . . Toronto

Cameron, G. C. . . . . Toronto
Clouse, E. B. . . . . Toronto
Cross, W. D. S. . . . . Gravenhurst
Curtin, Miss A. A. . . . . Kemptville

Dafoe, W. A. . . . . Madoc
Dickson, C. S. . . . . Niagara Falls
Dickson, W. B. . . . . Niagara Falls
Docherty, J. F. . . . . Seaforth

Eagles, G. H. . . . . Owen Sound
Ellis, T. A. . . . Niagara Falls South

Feick, T. B. . . . . New Hamburg
Ferguson, H. . . . . Uxbridge
Fitzpatrick, C. P. . . . . Napanee

Glassberg-Volpe, A. . . . . Toronto
Gillespie, W. F. . . . Edmonton, Alta.
Graham, N. F. W. . . . . Toronto

Hague, O. G. . . . . Toronto
Hall, R. C. . . . . Calgary, Alta.
Hendry, H. W. . . . . Toronto
Henry, W. E. . . . . Markdale
Hewson, R. D. . . . . Red Deer, Alta.
Hogarth, W. P. . . . . Fort William
Huether, A. L. . . . . Guelph

Irvine, P. L. . . . . Drayton

Jeffrey, G. S. . . . . Caledonia
Johnston, W. E. . . . . Toronto
Jones, G. R. . . . . Webbwood
Jordan, G. A. . . . . Toronto
Joyce, R. E. . . . . Bronte

Kelly, Miss F. A. . . . . Sudbury
Kemp, M. W. . . . . Port Dover
Kinsman, J. D. . . . . Fonthill

Lanspeary, W. D. . . . . Windsor
Little, H. S. . . . . Ridgetown
Little, W. C. . . . . Barrie
Lipsett, H. . . . . Toronto
Lipsitt, G. E. . . . . Toronto
Lloyd, F. P. . . . . Saskatoon, Sask.
Logan, F. A. . . . . Niagara Falls
Lowrie, H. A. . . . . Toronto

Masson, D. M. . . . . Toronto
Miller, W. H. . . . . Batavia, N.Y.
Mulligan, C. V. . . . . Omemee

McClintock, J. J. . . . . Lisle
McClure, Miss J. R. . . . . Toronto
McConney, Mrs. F. S. . . . . Toronto
McCormack, W. G. . . . . Toronto
McCormick, W. N. . . . . Trowbridge
McDonald, G. O. . . . . Lakeside
McGavin, Miss A. P. . . . Glasgow, Scotland
McGillivray, J. E., Weyburn, Sask.
McIntosh, P. D. . . . . Toronto
McKay, A. L. . . . . Toronto

Nelson, E. J. . . . . Guelph
Nunn, J. E. . . . . Landis, Sask.

Palmer, H. I. . . . . Brantford
Palmer, R. E. . . . . Toronto
Pickett, P. E. . . . Twin Falls, Idaho
Podnos, A. . . . . Toronto
Powell, W. G. . . . . Stratford
Puffer, DeW. S. . . . . Toronto

Quinn, H. J. . . . . Colborne

Reid, J. S. . . . . Tillsonburg
Rittinger, F. . . . . Kitchener
Robbins, F. C. . . . . Toronto
Rush, J. W. . . . . Toronto
Russell, N. H. . . . . Toronto

Sauder, P. . . . . Richmond Hill
Shannon, E. H. . . . . Toronto
Shaver, R. C. . . . . Toronto
Spratt, W. L. . . . . Ottawa
Stevenson, H. G. . . . . Toronto
Stewart, A. E. . . . . Ancaster
Sullivan, B. C. . . . . Toronto
Swan, W. D. . . . . Brucefield

Urquhart, G. T. . . . . Owen Sound

Verity, L. E. . . . . Brantford

Warner, W. P.....St. Thomas
Wheler, E. G.....Woodbridge
Willis, H. H.....Newmarket
Wilson, D. B.....Toronto
Wilson, D. G.....Gananoque
Woods, W. E.....Fergus
Zumstein, G. T.....St. Catharines

DENTAL STUDENTS.

1919-1920

Adams, R. B.....Toronto
Allen, N. M.....Peterboro
Armstrong, H. G.....Brampton
Armstrong, V. A.....Toronto
Atkinson, G. F.....Toronto

Balfour, G. E.....Cromarty
Bannerman, C. J...Winnipeg, Man.
Barber, C. J. D.,..Winnipeg, Man.
Bell, G. W. .....Paris
Bell, J. D.....Mount Elgin
Berry, J. O. .....Orillia
Berst, M. R. .....Plattsville
Blacklock, J. N.....Elora
Blackwell, A. C.....Toronto
Boyle, E. R. .....St. Catharines
Braund, S.....Peterboro
Brewer, J. M.....Bothwell
Brill, I. T.....North Bay
Brown, J. T.....Woodstock
Brown, S. A. .....North Bay
Burrell, H. L.....Sarnia
Bussey, C. V.....Toronto

Caldbick, L. W.....Winnipeg, Man.
Campbell, E. T.....Rockland
Carter, L. O.....Brampton
Clark, B. J.....Cayuga
Collins, C. C.....Petrolia
Conboy, J. H.....Toronto
Cooper, W. E.....Toronto
Coupland, D. C.....St. Mary's
Craig, W. M.....Verona
Culver, L. F.....Hamilton
Cummer, H. H.....Toronto
Curran, F. E.....Verona
Davidson, A. G.....Dundas
Davidson, H. T.....Toronto
Davis, R. N.....Hamilton
Devine, E. W.....Cumberland
Dewey, J. H.....St. Marys
Dickson, J. L.....Burgersville
Dietrich, J. A. .....Greenoch
Dixon, B.....Ottawa
Dixon, H. W.....North Gower
Donnelley, J. B.....Athens
Dunlop, R.....Williamstown

Edwards, F. W.....Toronto
Evans, J. D.....Toronto

Fahey, H. J. .....Elgin
Feinberg, J.....Toronto
Finlay, W. L.....Toronto
Foster, W. G.....Hamilton
Freele, R. S. .....Ilderton
Fumerton, A. S.....Kelowna, B.C.

Galloway, W. H. .....Strathroy
Garfinkle, B. D.....Toronto
Gauthier, J. A.....Maniwaki, Que.
Gilbert, W. J. .....Kingston
Girvin, P.....Ottawa
Graham, S. J. .....Fenelon Falls
Gray, W. A.....Courtright
Greaves, S. P.....Millbridge
Griffin, C. L.....Burgessville
Griss, J.....Toronto

Hall, H. R. .....Plattsville
Hall, W. J.....Brandon, Man.
Hamilton, C. W. .....Stratford
Hamilton, I. W.....Ottawa
Hancock, W. G.....Woodstock
Harkins, R. J. .....Copper Cliff
Harper, G. E.....Waterloo
Harrington, P.....Toronto
Harris, E. L.....Aylmer
Harris, J. S.....Toronto
Harris, K. R.....Toronto
Harris, R. G.....Toronto
Hart, W. G. .....Brantford
Harvie, H. G.....Warkworth
Heidgerker, G. F...Humbolt, Sask.
Heisz, G. M.....Mildmay
Helps, J. H. .....Maxville
Hinds, E. J.....Manitawaning
Hipwell, W. N.....Stonewall, Man.
Holmes, A. S.....Toronto
Holmes, L. H.....Toronto
Hudgins, R. R. .....Selby

Jackson, W. R. ...Vancouver, B.C.
James, Miss E. M.....Toronto
Jaques, L. A.....Burgesville
Jones, T. O.....Toronto
Joy, Miss M.....Toronto

Katrak, S. N.....Bombay, India
Kerr, G. A.....Gladstone, Man.
Kerr, W. J.....Guelph

Keyes, E. C. . . . . Stratford
Knight, H. N. . . . . Sault Ste Marie

Lamond, W. N. . . . . London
Landsbery, H. . . . . Toronto
Lane, A. C. . . . . Toronto
Langmaid, W. J. . . . . Hampton
Lee, J. M. . . . . Kingsville
Lequger, L. J. . . . . Hamilton
Liesemer, H. C. . . . . Didsbury, Alta.
Long, G. W. . . . . Toronto
Long, H. J. . . . . Peterboro
Lyons, C. W. . . . . Lindsay

Mair, A. B. . . . . Collingwood
Magrath, J. L. . . . . Yorkton, Sask.
Magrath, M. . . . . Yorkton, Sask.
Mallory, D. H. . . . . Lyn
Marshall, H. G. . . . . Toronto
Marshall, R. J. . . . . Ayton
Martin, G. M., Buckingham, Que.
Metcalfe, I. J. . . . . Owen Sound
Mihaychuk, M. . . . . Fisher Branch, Man.
Mills, F. L. . . . . Toronto
Moffat, K. G. . . . . Morewood
Mollins, Miss F. N. . . . Burgessville
Moore, R. J. . . . . Smith's Falls
Munn, J. A. . . . . Hensall
Munson, Miss C. . . . Dauphin, Man.
Murdoch, E. L. . . . . Winnipeg, Man.

McClure, F. D. . . . . Toronto
McConaghy, J. A. . Neepawa, Man.
McDonagh, Miss J. A. . . . . Toronto
McDonald, P. E. . . . . Hamilton
Macdonald, R. R. . . . . Port Arthur
McEwen, Miss A. L. . . . . Toronto
Mackay, A. W. . . . . Woodstock
McKibbon, G. L. . . . . Toronto
McLister, J. C. . . . . Toronto
McMulkin, J. E. . . . . Toronto
McMullen, J. E. . . . . Pembroke

Netherton, W. J. . . . Merritt, B.C.
Niebel, E. H. . . . . Regina, Sask.

O'Brien, E. J. . . . . Toronto
Okun, C. . . . . Pine Orchard
Osher, C. H. . . . . Toronto

Parrott, J. R. . . . . Odessa
Parry, A. O. . . . . Toronto
Percival, H. S. . . . . Athens
Perlman, L. . . . . Toronto
Philp, G. M. . . . . Rothsay
Porter, A. B. . . . . Baldur, Man.
Porter, J. F. . . . . Toronto
Prestien, G. L. . . . . Hespeler

Reid, R. G. . . . . Tilsonburg
Reid, C. G., . Niagara-on-the-Lake
Renton, J. E. . . . . Kingston
Reynolds, W. R. . . . . Kingston
Richardson, H. R. . . . . Ottawa
Ritchie, J. S. . . . . Port Arthur
Robertson, G. A. . . . . Regina, Sask.
Rogers, C. J. . . . . Ottawa
Rosen, S. . . . . Toronto
Rouleau, B. . . . . Alexandria
Rouse, D. . . . . Bancroft
Rupert, E. A. . . . . Toronto
Ryan, C. J. K. . . . . Kingston

Seale, G. D. H. . . . . Birtle, Man.
Seaton, D. G. . . . . Forest
Sharon, W. A. . . . . St. Thomas
Sharpe, L. . . . . Toronto
Shields, R. A. . . . . Toronto
Shragge, G. E. . . . . Kenora
Shultis, J. M. . . . . Port Colborne
Simon, S. . . . . Toronto
Sims, C. R. . . . . Owen Sound
Smith, G. L. . . . . Currie
Smith, J. W. . . . . Stettler, Alta.
Smiller, M. . . . . Toronto
Snelgrove, C. M. . . . . London
Snell, A. R. J. . . . . Toronto
Soules, C. W. . . . . Toronto
Stalker, M. E. J. . . . . Walkerton
Steep, J. T. . . . . Toronto
Stevenson, W. M. . . . . Ottawa
Sutter, S. H. . . . . Stratford
Sykes, H. R. . . . . Woodstock

Turner, D. M. . . . . Orillia

Underhill, E. . . . . Aurora

Van Allen, D. S. . . . . Morrisburg
Virtue, R. . . . . Toronto

Ward, R. M. E. . . . . Toronto
Watson, C. H. . . . . Port Hope
Webb, M. E. . . . . Saskatoon, Sask.
Webster, R. N. . . . . Toronto
Whitaker, R. J. . . . . Kenora
Wilkinson, J. M. . . . . Cheltenham
Willinsky, B. . . . . Toronto
Wilson, M. R. . . . . Perth
Wright, L. H. . . . . Kelowna, B.C.

Yack, L. C. . . . . Walkerton
Yaerger, W. G. . . . Humboldt, Sask.

Occasional Students

Berry, E. G., M.B. ..... Toronto
Bow, M. R., M.D.C.M. ..... Regina, Sask.

Ferguson, J. Y., B.A., M.D.C.M., M.R.C.S., L.R.C.P. ..... Taihoku, Japan

Graham, W. A., M.B. ..... Toronto

Heagerty, J. J., M.D.C.M., D.P.H. ..... Westmount, Que.
Hickey, G. W. ..... Sault Ste Marie, Mich.

Middleton, F. C., M.B. ..... Regina, Sask.
McClenahan, D. A., M.B., M.D.C.M ..... Hamilton

Orr, H., O.B.E., M.B. ..... Toronto

Phair, J. T., M.B. ..... Toronto

Rae, C. A., M.B. ..... Toronto

Taylor, H. D., M.D.C.M. ..... Montreal, Que.

Wiswell, G. B., M.B. ..... Dalhousie, N.B.
Woodhouse, Miss C. F., B.A., M.B. ..... Toronto

Summary.

First Year Students	416
Second Year Students	247
Third Year Students	188
Fourth Year Students	136
Fifth Year Students	95
Dental Students	189
Occasionals	11
	1,282

The University of Toronto issues the following official publications, any one of which may be had on application to the Registrar of the University or to the Secretary of the particular Faculty respecting which information is sought:

Curriculum for Junior Matriculation.

Calendar of the Faculty of Arts.

Calendar of the Faculty of Medicine.

Calendar of the Faculty of Applied Science and Engineering.

Calendar of the Faculty of Education.

Calendar of the Faculty of Forestry.

Calendar of the Faculty of Music.

Miscellaneous Curricula.

Calendar of the Department of Social Service.

Announcement of the Board of Graduate Studies.

Bulletin of Information respecting Graduate Facilities